

E. G. Mayo

HAMPDEN-SYDNEY COLLEGE *in* VIRGINIA

Academic Catalogue
1978-79







HAMPDEN-SYDNEY



*For more than two centuries,
Hampden-Sydney College has held
true to the ideals of her founders,
educating leader after leader
for country and Commonwealth,
all good men and good citizens
formed in an atmosphere of
sound learning.*

CONTENTS

3

HAMPDEN-SYDNEY COLLEGE

8

PRESIDENTS OF THE COLLEGE

9

BOARD OF TRUSTEES

10

ADMINISTRATIVE OFFICERS

11

FACULTY

16

COMMITTEES OF THE FACULTY

19

ACADEMIC PROGRAM

33

COURSE OFFERINGS

75

MATTERS OF RECORD



HAMPDEN-SYDNEY COLLEGE

Hampden-Sydney College, a liberal arts college for men now enrolling 740 students, has been in continuous operation since January 1776. The College is the tenth oldest institution of higher learning in the United States and the oldest of the country's few remaining all-male colleges. Hampden-Sydney is affiliated with the Presbyterian Church in the United States.

Hampden-Sydney is fully accredited by the Southern Association of Colleges and Schools and is a member of the Association of Virginia Colleges, the Association of American Colleges, the Southern University Conference, the College Entrance Examination Board, the American Chemical Society, and the College Scholarship Service.

Part of the 566-acre campus, picturesquely set in Virginia's historic southside, 70 miles southwest of Richmond, has been designated an historic preservation zone from Farmville, a town of 6,000, is seven miles north.

The College is reached from airports in Lynchburg and Richmond and from the bus and train station in Farmville.

Of the College's 19 brick buildings, most of which have been built in the Georgian architectural style, the oldest is Cushing Hall dormitory, built in 1821. Among the newest are the Science Center (1968), a modern infirmary-apartment complex, with twelve apartments for married students, faculty, and others (1972), and a set of four cottage-like units for student housing (1976). Also a new addition to Eggleston Library, which provides extensive new space for study areas, new acquisitions, and modern new equipment was completed in January 1975, and a student activities center which will be completed in December 1978. The College broke ground in May 1978 for a new athletic center. This multipurpose facility will include three basketball courts, handball, racquet ball, and squash courts and a 25 meter six-lane swimming pool.

Hampden-Sydney is a lively community with a faculty highly motivated and dedicated to teaching. Relatively young, their average age is approximately 41. More than 90 per cent of them hold the Ph.D. There are currently 63 members of the teaching faculty and approximately 740 students or a student-faculty ratio of roughly 13:1. Almost 50 per cent of the graduating seniors enter graduate or professional school.

The endowment portfolio has a market value of approximately \$12 million, including a recent \$2.5 million bequest to the College earmarked for faculty salaries and student scholarships. The operating budget for 1978-79 is million.

The aims of the College are to give selected men of ability a broad understanding of the world and man's place in it from the standpoint of the sciences and the humanities; to develop clear thinking through linguistic, scientific, and historical studies; to impart a comprehension of man's social

institutions as a basis for the exercise of intelligent citizenship in a democracy; to unite sound scholarship with the principles and practice of the Christian religion; to equip those students with special interests and capacities for graduate study and research; and to instill in its students a commitment to excellence.

Dedicated to the education of humane and lettered men for over two centuries, Hampden-Sydney continues to guard man's right to uphold the ideals of personal and intellectual integrity.

AN HISTORICAL SKETCH

The early American college, typically a frontier institution, was often a Christian college in character. Hampden-Sydney was no exception and her heritage is deeply rooted in the history of both Colonial America and the Presbyterian Church. However, Hampden-Sydney was not intended to be a sectarian institution; nor has it ever been under the control of a religious body, except for the period 1919-1975, during which the election of the Board of Trustees was nominally in the hands of the Synod of the Virginias of the Presbyterian Church, U.S.

The name Hampden-Sydney was chosen to symbolize the devotion of the founders of the College to the principles of representative government and full civil and religious freedom which John Hampden (1594-1643) and Algernon Sydney (1622-1678) had outspokenly supported and for which they had given their lives in England's two great constitutional crises of the previous century. They were widely invoked as hero-martyrs by American colonial patriots, and their names immediately associated the College with the cause of independence championed by James Madison, Patrick Henry, and other, less well-known but equally vigorous, patriots who composed the College's first Board of Trustees. Indeed, the original students eagerly committed themselves to the revolutionary effort, organized a militia-company, drilled regularly, and went off to the defenses of Williamsburg and of Petersburg, in 1777 and 1778 respectively. The uniform of purple hunting-shirt and gray trousers which they adopted gives the College its traditional colors, garnet and gray.

The College, whose origins go back to 1771, was formally organized in February 1775, when the Presbytery of Hanover, meeting at Slate Hill Plantation, about two miles from the site of the present campus, accepted the gift of the site for the campus, elected Trustees (most of whom were Episcopalian), and named as Rector (later styled President) the Rev. Mr. Samuel Stanhope Smith. The small frame building in which the Presbytery's meeting was held has since been placed on the campus. Mr. Smith, valedictorian of the Princeton class of 1769, had been actively promoting the idea of establishing a college in the heavily Scotch-Irish area of south-central Virginia since he began his ministry there in 1772. Within only ten months, Mr. Smith secured an adequate subscription of funds and an enrollment of 110 students. Intending to model the new college after his own *alma mater*, he journeyed to Princeton to secure the founding faculty, which included his younger brother, John Blair Smith, who succeeded him as President when he was called back to Princeton as Professor of Philosophy (later becoming President) in 1779. On that 1775 trip he also visited Philadelphia to enlist support and to purchase a library and scientific apparatus. Students and faculty began gathering in the fall of 1775, but the official opening of the

College was delayed until January 1, 1776. The College has never suspended operations. Its viability, severely tested by the war, was both rewarded and ensured by the grant of a Charter from the General Assembly of Virginia in 1783.

In its first fifty years the College prospered and gained the respect of the public and of the educational world. As early as the 1790's its influence was being felt elsewhere, as alumni and former presidents and faculty members began founding or organizing other institutions, including Union College, New York (1795), Princeton Seminary (1806), and the University of Virginia (1819). The Medical College of Virginia was established (1838) at Richmond as the medical department of Hampden-Sydney; Union Theological Seminary in Virginia originated (1822) with Hampden-Sydney and occupied the south end of the present campus for some seventy-five years before its relocation in Richmond.

The College matured physically and academically through the first half of the nineteenth century and enjoyed the services of some remarkably gifted leaders. President (1821-1835) Jonathan P. Cushing, a Dartmouth man and the first layman and first non-Presbyterian to be president, oversaw the abandonment of the College's original buildings and introduced the handsome Federalist architecture which is still distinctive of the campus; his greatest physical monument, Cushing Hall, which once housed the entire College operation, is currently in use as a dormitory. The world-renowned chemist, Dr. John W. Draper, who built the first camera to photograph a living person, was professor at Hampden-Sydney from 1836 to 1839.

Religious controversy, the nation's and Virginia's economic troubles, and the Civil War and its aftermath were for two generations the testing-fires of Hampden-Sydney as a stronghold of academic quality. Fortunately for the College, the longest-tenured of its presidents, the able and dedicated J. M. P. Atkinson, served from before the War through Reconstruction (1857-1883); he performed the remarkable feat of keeping the College solvent, while insistently upholding both disciplinary and academic standards. Once again, at the outset of war the student body organized a company, with the president as captain. These men, officially named the "Hampden-Sydney Boys," saw action in the disaster of Rich Mountain (June 10, 1861), were captured, and were paroled by General George B. McClellan on the condition that they return to their studies.

During the presidencies of Dr. Atkinson and his eminent successor (President 1883-1904), Dr. Richard McIlwaine, many features of current student life were introduced-social fraternities, sports, the formalized Honor System, for example: other student activities flourished at their highest level, such as the literary, or debating, societies and musical clubs. In addition, in 1898 the Seminary moved to Richmond and a most generous alumnus, Major R. M. Venable, bought its buildings and gave them to the College, doubling the physical plant. Academic offerings were expanded,

strengthening the coherent tradition of liberal arts education which had become the hallmark of the College.

The twentieth century has seen considerable building and other developments that have provided the facilities and personnel to continue a distinguished program. Sometimes facilities have had to be improved—or even replaced—at unsettlingly short intervals. In 1922 Bagby Science Hall was built, described at the time as “one of the finest science facilities in the small colleges of America”; in 1968 it was replaced by the new Science Center, which is, again, of the highest quality. The former Memorial Library, now Winston Hall, was replaced in 1961 after sixty-three years of service by Eggleston Library, named for J. D. Eggleston (President 1919-1939), the principal institutional architect of the twentieth-century Hampden-Sydney; only fourteen years later, during the administration of Dr. W. Taylor Reveley (1963-1977), this building was more than doubled in size. The campus has grown steadily through purchase and gift, and is surrounded completely by farms, small-holdings, and woodland. Gammon Gymnasium, built in 1940, was expanded in 1955 and 1975; Johns Auditorium was erected in 1950; new athletic fields and tennis courts were added in 1976; Graham Hall, in the heart of the campus, has been converted to use as a student center; and the College began work in May 1978 on a new athletic center. Academic, social, and cultural programs of the College continue to be enriched, and Hampden-Sydney looks into its third century with a wholesome optimism, bred of a sober integrity of mission coupled with a history of sound development, and made possible by an extraordinary succession of leaders and benefactors of rare ability, commitment, and vision.

PRESIDENTS OF THE COLLEGE

SAMUEL STANHOPE SMITH, D.D., LL.D.	1775-1779
JOHN BLAIR SMITH, D.D.	1779-1789
DRURY LACY, D.D. (<i>Vice President and Acting President</i>)	1789-1797
ARCHIBALD ALEXANDER, D.D., LL.D.	1797-1806
WILLIAM S. REID, D.D. (<i>Vice President and Acting President</i>)	1807
MOSES HOGE, D.D.	1807-1820
JONATHAN P. CUSHING, A.M. (<i>Acting President</i>)	1820-1821
(<i>President</i>)	1821-1835
GEORGE A. BAXTER, D.D. (<i>Acting President</i>)	1835
DANIEL LYNN CARROLL, D.D.	1835-1838
WILLIAM MAXWELL, LL.D.	1838-1844
PATRICK J. SPARROW, D.D.	1845-1847
S. B. WILSON, D.D. (<i>Acting President</i>)	1847
F. S. SAMPSON, D.D. (<i>Acting President</i>)	1847-1848
CHARLES MARTIN, A.B. (<i>Acting President</i>)	1848-1849 and 1856-1857
LEWIS W. GREEN, D.D.	1848-1856
REV. ALBERT L. HOLLADAY (<i>Died before taking office</i>)	1856
JOHN M. P. ATKINSON, D.D.	1857-1883
RICHARD McILWAINE, D.D., LL.D.	1883-1904
JAMES R. THORNTON, A.M. (<i>Acting President</i>)	1904
WILLIAM H. WHITING, JR., A.M., LL.D. (<i>Acting President</i>)	1904-1905 and 1908-1909
J.H.C. BAGBY, Ph.D. (<i>Acting President</i>)	1905
JAMES GRAY McALLISTER, D.D., LL.D., D.Litt.	1905-1908
HENRY TUCKER GRAHAM, D.D., LL.D.	1908-1917
ASHTON W. McWHORTER, A.M., Ph.D. (<i>Acting President</i>)	1917-1919
JOSEPH DuPUY EGGLESTON, A.M., Ph.D.	1919-1939
EDGAR GRAHAM GAMMON, D.D., LL.D.	1939-1955
JOSEPH CLARKE ROBERT, A.B., A.M., Ph.D., Litt.D., LL.D.	1955-1960
THOMAS EDWARD GILMER, B.S., M.S., Ph.D., D.Sc.	1960-1963
WALTER TAYLOR REVELEY, B.A., B.D., Ph.D., LL.D.	1963-1977
JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.)	1977-

BOARD OF TRUSTEES

Class of 1979

ROYAL E. CABELL, JR.	Richmond, Virginia
S. DOUGLAS FLEET, Chairman	Richmond, Virginia
ALBERT R. GILLESPIE, M.D.	Staunton, Virginia
CHARLES M. GUTHRIDGE	Richmond, Virginia
C. RANDOLPH HUDGINS, JR.	Norfolk, Virginia
ROBERT W. LAWSON, JR.	Charleston, West Virginia
ALTON W. WHITEHOUSE, JR.	Cleveland, Ohio

Class of 1980

LEWIS G. CHEWNING, LL.D.	Richmond, Virginia
CHARLES J. GEYER, JR., Ph.D.	Berwyn, Pennsylvania
RICHARD A. MICHAUX, M.D.	Richmond, Virginia
WILLIAM M. PASSANO, JR.	Baltimore, Maryland
BENJAMIN A. SOYARS	Richmond, Virginia
GEORGE E. TAYLOR	Richmond, Virginia
DONALD A. TOLLEFSON	Washington, D.C.

Class of 1981

W. CECIL CARPENTER	Virginia Beach, Virginia
GEORGE B. CARTLEDGE, JR.	Roanoke, Virginia
J. BRUCE JAMES	Richmond, Virginia
SHERWOOD E. LILES, JR.	Norfolk, Virginia
MRS. WILLIAM E. McBRATNEY, JR.	Lynchburg, Virginia
HENRY C. SPALDING, JR.	Richmond, Virginia
WILLIAM F. SPOTSWOOD, JR.	Irvington, Virginia

Class of 1982

BERNARD E. BAIN, D.D.	Lynchburg, Virginia
T. KYLE BALDWIN	Farmville, Virginia
WILLIAM R. HILL, JR.	Richmond, Virginia
PETER A. LEGGETT	Lynchburg, Virginia
JOHN B. LONG	Glade Springs, West Virginia
WILLIAM R. MIDDLETHON, JR.	Miami, Florida
GORDON C. WILLIS	Roanoke, Virginia

Class of 1983

FREDERICK W. BECK, JR.	Petersburg, Virginia
JOHN E. BLOMQUIST	Richmond, Virginia
RAYMOND B. BOTTOM, JR.	Hampton, Virginia
JOHN B. FUQUA, LL.D.	Atlanta, Georgia
WILLIAM H. LEACHMAN	Washington, D.C.
W. SYDNOR SETTLE	New York, New York
MRS. JAMES C. WHEAT	Richmond, Virginia

ADMINISTRATIVE OFFICERS

1978-79

JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.)	President of the College
NATHANIEL H. ACKER, B.S.	Vice President for Institutional Development
LEWIS H. DREW, B.A., M.A.T., Ed.D.	Dean of Students
RONALD G. LAWHORNE, B.S.	Business Manager and Treasurer
THOMAS H. MAEDER	Director of Development
DANIEL P. POTEET II, B.A., M.A., Ph.D.	Dean of the Faculty
JOHN H. WATERS III, B.A.	Director of Admissions

ADMINISTRATIVE STAFF

1978-79

RICHARD S. BENNER, B.A., M.Ed.	Director of Counseling and Career Planning
THOMAS O. BONDURANT, B.S.	Assistant Business Manager and Treasurer
R. B. LEE CARTER, B.A.	Assistant Director of Admissions and Financial Aid
MERRILL A. ESPIGH, B.S., M.A., Ph.D.	Registrar
J. STOKELY FULTON, B.S.	Athletic Director
S. WARREN KERNODLE	Superintendent of Buildings and Grounds
RICHARD C. McCLINTOCK, B.A., M.A., Ph.D.	Director of Publications
VIRGINIA G. REDD	Director of Records and Research
WILLIAM J. SEEGER, B.A., M.A.	Director of Alumni Relations
MARTIN M. SHERROD, B.A.	Assistant to the President
THOMAS H. SHOMO, B.A., M.A.Ed.	Assistant Dean of Students and Director of Financial Aid
MARGARET W. SWARTZ, B.A.	Alumni Recorder
W. BRUCE SWARTZ, B.S., M.Ed.	Associate Director of Admissions
MICHAEL D. WARD, B.A.	Admissions Counselor

FACULTY

1977-78 (By Rank)

- THOMAS EDWARD GILMER, B.S., M.S., Ph.D., D.Sc. (1927, 1971) *Professor Emeritus of Physics*
- EMMET ROACH ELLIOTT, B.S., M.A., Ph.D. (1934, 1964) *Professor Emeritus of Mathematics*
- CHARLES FERGUSON McRAE, B.A., B.D., Th.M., Th.D. (1942, 1975) *Professor Emeritus of Bible*
- ELMO BERNARD FIRENZE, B.A., M.A. (1946, 1974) *Professor Emeritus of German and French*
- JOSEPH BURNER CLOWER, B.A., B.D., Th.M., Th.D., (1954, 1977) *Professor Emeritus of Bible*
- WILLIAM COLLAR HOLBROOK, A.B., B.A. (Oxon.), M.A., Ph.D. (1960, 1970) *Converse Professor Emeritus of Romance Languages*
- DUDLEY BYRD SELDEN, B.S., M.S. (1961, 1974) *Associate Professor Emeritus of Mathematics*
- ALBERT LOUIS LEDUC, A.B., M.A., Ph.D. (1962, 1972) *Professor Emeritus of Modern Languages*
- GRAVES HAYDON THOMPSON, B.A., A.M., Ph.D. (1939, 1977) *Blair Professor Emeritus of Classics*. B.A., Hampden-Sydney College, 1927; A.M., Harvard University, 1928; Ph.D., Harvard University, 1931.
- PAUL LIVINGSTON GRIER, B.A., B.A.L.S., M.A.L.S. (1940) *Librarian*. B.A., Erskine College, 1936; B.A. in L.S., University of North Carolina, 1938; M.A. in L.S., University of Michigan, 1947.
- ROBERT THRUSTON HUBARD, JR., B.A., J.D. (1946, 1973) *Professor Emeritus of Government and Foreign Affairs*. B.A., Hampden-Sydney College, 1935; J.D., University of Virginia, 1942.
- JOSEPH RUBINSTEIN, B.A., M.S., Ph.D. (1978†) *Distinguished Visiting Professor of Psychology*. B.A., Bucknell University, 1950; M.S., Purdue University, 1954; Ph.D., University of Michigan, 1959.
- WILLARD FRANCIS BLISS, B.A., Ph.D. (1946, 1963) *Squires Professor of History*. B.A., Tufts College, 1939; Ph.D., Princeton University, 1946.
- WEYLAND THOMAS JOYNER, B.S., M.A., Ph.D. (1957, 1963) *Professor of Physics*. B.A., Hampden-Sydney College, 1951; M.A., Duke University, 1952; Ph.D., Duke University, 1955.
- JOSEPH WILLARD WHITTED, B.S., M.A., Ph.D. (1949, 1964) *Professor of Spanish*. B.S., Davidson College, 1933; M.A. University of North Carolina, 1941; Ph.D., University of North Carolina, 1963.
- THOMAS EDWARD CRAWLEY, B.A., M.A., Ph.D. (1946, 1965) *Hurt Professor of English*. B.A., Hampden-Sydney College, 1949; M.A., University of North Carolina, 1953; Ph.D., University of North Carolina, 1965.
- HASSELL ALGERNON SIMPSON, B.S., M.A., Ph.D. (1962, 1965) *Professor of English*. B.S., Clemson University, 1952; M.A., Florida State University, 1957; Ph.D., Florida State University, 1962.
- DONALD RICHARD ORTNER, B.A., B.M., C.R.M., M.A., Ph.D. (1961, 1967) *Professor of Psychology*. B.A., Northwestern College, 1944; B.M., Illinois Wesleyan University, 1946; C.R.M., Wisconsin Lutheran Seminary, 1947; M.A., Eastern Michigan University, 1957; Ph.D., Michigan State University, 1964.
- THOMAS TABB MAYO IV, B.S., M.S., Ph.D. (1962, 1967) *Professor of Physics*. B.S., Virginia Military Institute, 1954; M.S., University of Virginia, 1957; Ph.D., University of Virginia, 1960.
- FRANK JAMES SIMES, A.B., M.A., D.Ed. (1967) *Professor of Psychology*. A.B., University of Michigan, 1938; M.A., State University of New York, 1948; D. Ed., Pennsylvania State University, 1951.
- WILLIAM WENDELL PORTERFIELD, B.S., M.S., Ph.D. (1964, 1968) *Professor of Chemistry*. B.S., University of North Carolina, 1957; M.S., California Institute of Technology, 1960; Ph.D., University of North Carolina, 1962.
- HOMER ALVIN SMITH, JR., B.A., Ph.D.* (1964, 1967) *Professor of Chemistry*. B.A., Rice University, 1953; Ph.D., Oklahoma State University, 1961.
- DAVID CHAUNCEY HOLLY, B.S., M.A., Ph.D. (1967, 1969) *Professor of Government and Foreign Affairs*. B.S., The Johns Hopkins University, 1938; M.A., University of Maryland, 1939; Ph.D., American University, 1964.
- TULLY HUBERT TURNEY, JR., A.B., Ph.D. (1965, 1973) *Professor of Biology*. A.B., Oberlin College, 1958; Ph.D., University of North Carolina, 1963.

- WALTER TAYLOR REVELEY, B.A., B.D., Ph.D., LL.D.* (1963, 1977) *Professor of Bible and Religion*. B.A., Hampden-Sydney College, 1939; B.S., Union Theological Seminary, 1942; Ph.D., Duke University, 1953; LL.D., Southwestern at Memphis, 1966; LL.D., College of Charleston, 1976.
- JOSIAH BUNTING III, B.A., B.A. (Oxon.), M.A. (Oxon.), (1977) *President of the College and Adjunct Professor of English*
- EDWARD MARION KIESS, B.S., M.S., Ph.D. (1968, 1969) *Associate Professor of Physics*. B.S., Massachusetts Institute of Technology, 1955; M.S., Pennsylvania State University, 1962; Ph.D., Pennsylvania State University, 1965.
- WILLIAM ROBERT HENDLEY, B.A., Ph.D. (1970) *Associate Professor of Economics*. B.A., Yale University, 1956; Ph.D., Duke University, 1966.
- EDWARD ALEXANDER CRAWFORD, B.S., M.A. (1963, 1971) *Associate Professor of Biology*. B.S., University of South Carolina, 1948; M.A., University of Virginia, 1956.
- OWEN LENNON NORMENT, JR., A.B., B.D., Th.M., Ph.D. (1966, 1971) *Associate Professor of Bible and Religion*. A.B., University of North Carolina, 1955; B.D., Union Theological Seminary, 1958; Th.M., Union Theological Seminary, 1959; Ph.D., Duke University, 1968.
- STANLEY ROBERT GEMBORYS, A.B. Ph.D. (1967, 1973) *Associate Professor of Biology*. A.B., Dartmouth College, 1964; Ph.D., Auburn University, 1967.
- MERRILL ALVIN ESPIGH, B.S., M.A., Ph.D. (1962, 1974) *Registrar and Associate Professor of Mathematics*. B.S., Shippensburg State College, 1958; M.A., Louisiana State University, 1962; Ph.D., Florida State University, 1973.
- THOMAS E. DeWOLFE, A.B., M.A., Ph.D. (1966, 1974) *Associate Professor of Psychology*. A.B., Harvard University, 1954; M.A., Vanderbilt University, 1960; Ph.D., University of Houston, 1969.
- JOHN LUSTER BRINKLEY, B.A., B.A. (Oxon.), M.A., M.A. (Oxon.) (1967, 1974) *Associate Professor of Classical Studies and Clerk of the Faculty*. B.A., Hampden-Sydney College, 1959; B.A., University of Oxford, 1962; M.A., Princeton University, 1965; M.A., University of Oxford, 1966.
- VINCENT ALBERT IVERSON, B.A., S.T.B., M.A., Ph.D.* (1967, 1974) *Associate Professor of Philosophy*. B.A., University of Minnesota, 1959; S.T.B., Harvard Divinity School, 1962; M.A., Yale University, 1964; Ph.D., Yale University, 1968.
- AMOS LEE LAINE, B.A., M.A., Ph.D. (1968, 1974) *Associate Professor of History*. B.A., Randolph-Macon College, 1962; M.A., Duke University, 1965; Ph.D., Duke University, 1972.
- RONALD LYNTON HEINEMANN, B.A., M.A., Ph.D. (1968, 1974) *Associate Professor of History*. B.A., Dartmouth College, 1961; M.A., University of Virginia, 1967; Ph.D., University of Virginia, 1968.
- HERBERT JAMES SIPE, B.S., Ph.D. (1968, 1974) *Associate Professor of Chemistry*. B.S., Juniata College, 1961; Ph.D., University of Wisconsin, 1969.
- LAWRENCE HENRY MARTIN, JR., B.A., M.A., Ph.D. (1969, 1974) *Associate Professor of English*. B.A., Tufts University, 1964; M.S., University of Massachusetts, 1966; Ph.D., University of Massachusetts, 1969.
- HERBERT BANCROFT SKERRY, A.B., M.S., Ph.D. (1974) *Associate Professor of Mathematics*. A.B., Harvard University, 1954; M.S., University of Wisconsin 1958; Ph.D., Michigan State University, 1967.
- WILLIAM A. SHEAR, A.B., M.A., Ph.D. (1974) *Associate Professor of Biology*. A.B., College of Wooster, 1963; M.A., University of New Mexico, 1965; Ph.D., Harvard University, 1971.
- JAMES YOUNG SIMMS, JR., A.B., M.A., Ph.D. (1968, 1975) *Associate Professor of History*. A.B., University of Maryland, 1958; M.A., University of Maryland, 1965; Ph.D., University of Michigan, 1976.
- LEON NEELY BEARD, JR., B.A., Ph.D. (1968, 1975) *Associate Professor of Physics*. A.B., Vanderbilt University, 1957; Ph.D. Vanderbilt University, 1967.
- JORGE ANTONIO SILVEIRA, B.A., J.D., M.A., Ph.D. (1970, 1975) *Associate Professor of Spanish*. B.A., Instituto Santiago, Santiago de Cuba, 1949; Doctor en Derecho, Universidad de La Habana, Havana, Cuba, 1955; M.A., University of North Carolina, 1969; Ph.D., University of North Carolina, 1974.
- RAY ALLEN GASKINS, B.S., Ph.D.* (1970, 1975) *Associate Professor of Mathematics*. B.S., Virginia Polytechnic Institute, 1964; Ph.D., Virginia Polytechnic Institute, 1971.

- CHARLES WAYNE TUCKER, B.A., M.A., Ph.D. (1972, 1976) *Associate Professor of Classics*. B.A., Randolph-Macon College, 1960; M.A., University of Virginia, 1966; Ph.D., University of Virginia, 1972.
- ROBERT G. ROGERS, B.S., S.T.B., Ph.D. (1975) *Associate Professor of Bible and Religion*. B.S., The Ohio State University, 1960; S.T.B., Boston University School of Theology, 1963; Ph.D., Boston University, 1969.
- DOUGLAS STUART THOMPSON, B.S., Ph.D. (1976) *Associate Professor of Chemistry*. B.S., University of California, 1961; Ph.D., Massachusetts Institute of Technology, 1965.
- GEORGE FRANKLIN BAGBY, JR., B.A., M.A., Ph.D. (1972, 1977) *Associate Professor of English*. B.A., Haverford College, 1965; M.A., Yale University, 1968; Ph.D., Yale University, 1975.
- FRANCIS JOSEPH SPRENG, B.S., M.B.A., M.A., Ph.D. (1974) *Associate Professor of Economics and Management*. B.S., Duquesne University, 1965; M.B.A., Duquesne University, 1967; M.A. University of Pittsburgh, 1972; Ph.D., University of Pittsburgh, 1976.
- HENRI PAUL MERCKEN, B.A., M.A., Ph.D. (1977) *Visiting Associate Professor of Classics and Philosophy*. B.A., University of Louvain, 1954; M.A. University of Louvain, 1956; Ph.D., University of Louvain, 1959.
- GUSTAV HENRY FRANKE, B.S., M.A.T. (1965, 1968) *Assistant Professor of Mathematics*. B.S., Auburn University, 1938; B. S., Auburn University, 1939; M.A.T., Duke University, 1965.
- KEITH WILLIAM FITCH, B.S., M.A., Ph.D. (1972) *Assistant Professor of History*. B.S., Purdue University, 1960; M.A., Purdue University, 1968; Ph.D., Purdue University, 1972.
- ALAN FORD FARRELL, A.B., M.A., Ph.D. (1973) *Assistant Professor of French and German*. A.B., Trinity College, 1966; M.A., Tufts University, 1967; M.A., Tufts University, 1972; Ph.D., Tufts University, 1972.
- PAUL A. JAGASICH, B.A., B.S., M.A., Ph.D. (1973) *Assistant Professor of Modern Languages*. B.A., Apaczai Pedag. College, Budapest, Hungary, 1955; B.S. Eotvos Tud. Egyetem, Budapest, H., 1960; B.A., Eotvos Tud. Egyetem, Budapest, H., 1962, 1964; M.A. University of North Carolina, 1970; M.A., University of North Carolina, 1971; Ph.D., University of North Carolina, 1973.
- MOSES SENKUMBA MUSOKE, B.A., M.A., M.S., Ph.D. (1973) *Assistant Professor of Economics*. B.A., University of East Africa, 1969; M.A., State University of New York, 1970; M.S., University of Wisconsin, 1972; Ph.D., University of Wisconsin, 1976.
- BRIAN EUGENE SCHRAG, B.A., M.A., Ph.D. (1973) *Assistant Professor of Philosophy*. B.A., Bethel College, 1964; M.A., University of Iowa, 1971; Ph.D., Vanderbilt University, 1975.
- JACK PALMER SANDERS, B.A., Ph.D. (1974) *Assistant Professor of Mathematics*. B.A., University of the South, 1965; Ph.D., University of Virginia, 1970.
- ROBERT BALDWIN HARRIS, B.A., M.A. (1976) *Assistant Professor of Economics*. B.A., The Ohio State University, 1968; M.A., The Ohio State University, 1970.
- JOSEPH E. GOLDBERG, B.A., Ph.D. (1975) *Assistant Professor of Government and Foreign Affairs*. B.A., State University of Iowa, 1962; Ph.D., University of Washington, 1973.
- MARY M. SAUNDERS, B.A., M.A., Ph.D. (1976) *Assistant Professor of English*. B.A., Duke University, 1966; M.A., University of Illinois, 1967; Ph.D., University of Illinois, 1974.
- DAVID EDMOND MARION, B.A., M.A., Ph.D. (1977) *Assistant Professor of Government and Foreign Affairs*. B.A., Saint Anselm's College, 1970; M.A., University of New Hampshire, 1972; Ph.D., Northern Illinois University, 1977.
- GERALD T. CARNEY, B.A., S.T.B., M.A. (1977) *Visiting Assistant Professor of Bible and Religion*. B.A., Cathedral College, 1966; S.T.B., Gregorian University, 1969; M.A., Fordham University, 1973.
- ROBERT WILLIAM LEIBY, B.S., M.S., Ph.D. (1977) *Visiting Assistant Professor of Chemistry*. B.S., Albright College, 1971; M.S., Lehigh University, 1973; Ph.D., Lehigh University, 1975.
- ANNE CASTEEN LUND, B.S., M.S., Ph.D. (1974) *Adjunct Assistant Professor of Biology*. B.S., Longwood College, 1967; M.S., Emory University, 1968; Ph.D., Emory University, 1974.
- BEVERLY CALVIN BASS, B.A., M.A. (1960) *Instructor in Chemistry and Physics*. B.A., Maryville College, 1931; M.A., University of Tennessee, 1939.
- VICTOR GEORGE KRISS, A.S., B.S., M.S. (1975) *Instructor in Physics*. A.S., Jackson Community

College, 1969; B.S., Eastern Michigan University, 1971; M.S., Michigan State University, 1975.

THOMAS J. O'GRADY, B.A., M.A. (1974) *Poet-in-Residence and Instructor in English*. B.A., University of Baltimore, 1966; M.A., Johns Hopkins University, 1967.

ROBERT P. WEBBER *Lecturer in Mathematics (Longwood)*

CARL STERN, A.B., M.B.A., Ph.D.† (1971) *Lecturer in Economics*. A.B., Colby College, 1943; M.B.A., University of Pennsylvania, 1947; Ph.D., University of Pennsylvania, 1954.

R. EDWARD CHATTERTON, B.A., M.A.† (1976) *Lecturer in Economics*. B.A., Southwest Missouri State College, 1968; M.A., Central Missouri State University, 1973.

JOHN BROOKS RICE, B.A., M.Div. (1974) *College Chaplain*. B.A., Johns Hopkins University, 1949; M.Div., Union Theological Seminary, 1952.

M. TUCKER KEISER, B.A., B.M., M.M. (1970) *Director of the Glee Club*. B.A., University of Virginia, 1943; B.M., New England Conservatory of Music, 1948; M.M., New England Conservatory of Music, 1951.

*On leave 1977-1978

†Exchange faculty from Randolph-Macon Woman's College

#Second Semester 1977-78

NOTE: The first date in parentheses indicates the year in which the faculty member began faculty service at the College. The second date indicates the year of appointment to the present rank.

LIBRARY

PAUL L. GRIER, B.A., B.A.L.S., M.A.L.S., . . . *Librarian*

ALAN ZOELLNER *Reference Librarian*

SANDRA W. HEINEMANN, B.A., M.A.L.S. . . *Catalogue Librarian*

ELEANOR M. GRIER, A.B., A.B.L.S. . . . *Acquisitions Librarian*

ELNA ANN MAYO, A.B., M.A. *Serials Librarian*

PHYSICAL EDUCATION AND ATHLETICS

JOHN STOKELY FULTON, B.S.
Athletic Director and Football and Baseball Coach

RICHARD ALLAN BURRELL, B.A.
Professor of Physical Education

LOUIS ALEXANDER WACKER, JR., B.A., M.A.
Wrestling and Assistant Head Football Coach

BOBBY G. SAYLOR, B.A., M.S.
Assistant Athletic Director, Tennis and Assistant Football Coach

DOANLD P. THOMPSON, B.A., M.A.
Basketball Coach

WILLIAM T. REID, B.A.
Lacrosse Coach

GILMAN Z. SIMMS, B.S. D.D.S.
Trainer

ASSISTANTS

ADMINISTRATIVE ASSISTANTS AND SECRETARIES

MISS A. LOUISE ALLEN *Secretary in the Office of Admissions and Financial Aid*
 MRS. P. TULANE ATKINSON . . . *Hostess, Parents and Friends Lounge and Curator, Museum*
 MRS. ERNA W. CLEMENTS *Cashier*
 MRS. LINDA COTHRAN, B.A. *Secretary to the Dean of the Faculty*
 MRS. DORIS M. COOK *Assistant Purchasing Agent*
 MRS. VIRGINIA W. DRUEN *Secretary to the President*
 MRS. BARBARA C. FORE *Secretary to the Dean of Students*
 MRS. MARY FRANKE, B.S. *Postmistress*
 MRS. BRENDA F. GARRETT *MT/ST Composer Operator*
 MRS. MELODY F. GREEN *Secretary in the Office of Admissions and Financial Aid*
 MRS. CLARA C. JOHNSON *Part-time Secretary, Office of the Registrar*
 MISS VIRGINIA W. JOHNSTON *Secretary to the Business Manager and Treasurer*
 MRS. MERCI F. LACKES . . *Secretary to the Director of Counseling and Career Planning*
 MRS. NORMA LOWREY *Secretary, Institutional Development*
 MS. JOYCE B. McGALL *Secretary to the Department of Athletics*
 MRS. MYRNA J. MCKAY *Secretary to the College Chaplain*
 MRS. SHIRLEY MORING *Secretary in the Office of Admissions and Financial Aid*
 MISS SHIRLEY K. MOTTLEY *Receipts Clerk, Institutional Development*
 MRS. BARBARA S. REINHARDT *Posting Clerk*
 MRS. NANCY S. SAYLOR *Part-time Secretary, Institutional Development*
 MRS. MARJORIE E. SCHRAG, B.A. . . . *Part-time Clerk, Office of Admissions*
 MRS. KATHIE M. SMITH, B.S. *Communications Assistant*
 MR. JOHN E. SOMMERS III, B.S. *Administrative Assistant*
 MRS. FLORENCE C. WATSON *Recorder*
 MRS. QUETA S. WATSON *Assistant Supervisor of Housekeeping and Secretary to the Department of Buildings and Grounds*
 MRS. MERLE C. WELLS . . *Supervisor of Housekeeping*
 MRS. HOPE YOUNG *Assistant Postmistress*

ACADEMIC ASSISTANTS AND SECRETARIES

MRS. ANNE S. BERRY *Secretary, Library*
 HARRISON L. DeLANCEY . . . *Electronic and Machine Shop Technician*
 MRS. JEWEL D. FORE *Secretary, Library*
 MS. SUSAN J. HARDY *Secretary, Morton Hall*
 MRS. JEAN P. HUDSON *Part-time Secretary to the Science Department*
 LANCE O. HURT *Biology Laboratory Technician*
 MRS. LINNIE N. KERNODLE . . *Secretary, Bagby Hall*
 MRS. FLORENCE P. SEAMSTER . . *Secretary, Library*
 LARRY WASSERMAN *Chemistry Technician*

COMMITTEES OF THE FACULTY

The Committees of the Faculty meet regularly throughout the academic year. Through their members suggestions about College business or policy may be made. The three major committees, Academic Affairs, Faculty Affairs, and Student Affairs, and their subcommittees are listed below with their areas of responsibility and the names and terms (the number in parentheses indicates the last year in office) of their members.

ACADEMIC AFFAIRS COMMITTEE

Responsible for general educational policy, new academic programs and departments, curriculum and course approval, non-classroom educational resources (e.g., audiovisual materials, computer programs, library), remedial and study skills programs, academic calendar, nominations of committee members where needed, and emergency action on behalf of the Faculty. Also serves as the Executive Committee of the Faculty between Faculty meetings. May establish sub-committees and *ad hoc* committees, for purpose definite, to report to it.

Membership:

- 3 faculty members, 1 elected from each division, by each division, for 3 year staggered terms: Martin (79), Turney (80), Heinemann (81)
 - 1 faculty member elected at large annually: Goldberg
 - 1 faculty member appointed by the President annually after the election of the above: Rogers
 - 1 student elected annually in the Spring by faculty members of the Committee (save for Executive Committee business): Marc Sherrod
- Chairman *ex officio*, Academic Dean: Poteet

Honors Council

A subcommittee of the Academic Affairs Committee, responsible for supervision and direction of the general Honors Program, Departmental Honors, Senior and Senior Major (Allan) Fellowships, and the Merit Scholarship Program.

Membership:

- Academic Dean, *ex officio*: Poteet
 - 3 faculty teaching Honors Courses, one appointed by the Dean from each division, for 3 year staggered terms: Laine (79), Hendley (80), Mayo (81)
 - 1 faculty member not teaching Honors Courses, appointed by the Dean for a 3 year term: Rogers (80)
- Chairman, appointed by the Dean from among the members: Rogers (80)

Admissions and Financial Aid Committee

A subcommittee of the Academic Affairs Committee, responsible for supervision and implementation of the admissions and financial aid policy established by the Faculty.

Membership:

- Director of Admissions (Chairman *ex officio*): Waters
- Dean of Students: Drew
- 3 faculty members elected one each year, for 3 year staggered terms, by the Faculty Porterfield (79), Saunders (80), Sanders (81)
- 1 faculty member appointed annually by the President, after the above election: Marion

(The Chairman shall invite such other members of the Administration as shall be appropriate to sit on meetings when needed.)

Premedical Committee

A subcommittee of the Academic Affairs Committee, responsible for giving advice and counsel to premedical students; for liaison with medical, dental, and veterinary schools.

Membership:

- 5 faculty members appointed for 5 year staggered terms, one appointed each year by the President: Kiess (79), Fitch (80), Brinkley (81), Crawford (82), D. Thompson (83)

Foreign Study Committee

A subcommittee of the Academic Affairs Committee, responsible for generating and evaluating programs entailing foreign study, promotion of participation in such study, and screening applicants for foreign study.

Membership:

- 4 faculty members appointed for 4 year staggered terms, one appointed each year by the President: Farrell (79), Jagasich (80), Simms (81), Silveira (82)

FACULTY AFFAIRS COMMITTEE

Responsible for advice and consent on faculty hiring, promotion, and tenure; advice to the Dean on the funding of faculty research, sabbaticals and development; for serving a grievance committee for faculty members when needed.

Membership:

- 3 faculty members (all tenured faculty), 1 elected from each division, by each division, for 3 year staggered terms: Beard (79), DeWolfe (80), Simpson (81)
- 3 faculty members, one from each division, elected by the faculty as a whole for 3 year staggered terms: Hendley (79), Tucker (80), Shear (81)

Academic Dean, *without vote*: Poteet

Chairman, to be elected from within the Committee: Hendley

STUDENT AFFAIRS COMMITTEE

Responsible for review, explication, and recommendation of policies and regulations pertaining to student life, including athletics and recreation, community service, disciplinary procedures, religious life, housing, food services, counseling and career services, vehicular traffic, and other non-academic aspects of campus life.

Membership:

- 3 faculty members, one elected at large each year for a 3 year term: Sanders (79), Schrag (80), Marion (81)
- President of the Student Government: Pete Watson
- 2 students appointed by the President of the College annually in the spring: Wes Schuessler, Rusty Tyndal
- Dean of Students *ex officio*: Drew
- Chairman, to be elected from within the Committee: Drew

Athletic Committee

A subcommittee of the Student Affairs Committee, responsible for implementation of athletic policies established by the

Faculty, oversight and review of varsity and intramural athletic programs; liaison between the Athletic Director and the Faculty.

Membership:

Athletic Director *ex officio*: Fulton

Dean of Students *ex officio*: Drew

4 faculty members, one elected at large each year for a 4 year term: Bagby (79), Sanders (80), Porterfield (81), D. Thompson (81)

1 student appointed by the President of the College each Spring: David Corrigan

Lectures and Programs Committee

A subcommittee of Student Affairs Committee, responsible for planning, coordinating, and implementing co-curricular intellectual, cultural, and aesthetic activities.

Membership:

3 faculty members, serving 3 year staggered terms — 1 (Chairman), appointed by the President; 2 elected by the Faculty: Shear (79), Fitch (80, Chairman), Schrag (81)

4 Students chosen annually in the Spring by the Student Body
President: Vacant
Dean of Students: Drew

BUDGET-AUDIT COMMITTEE

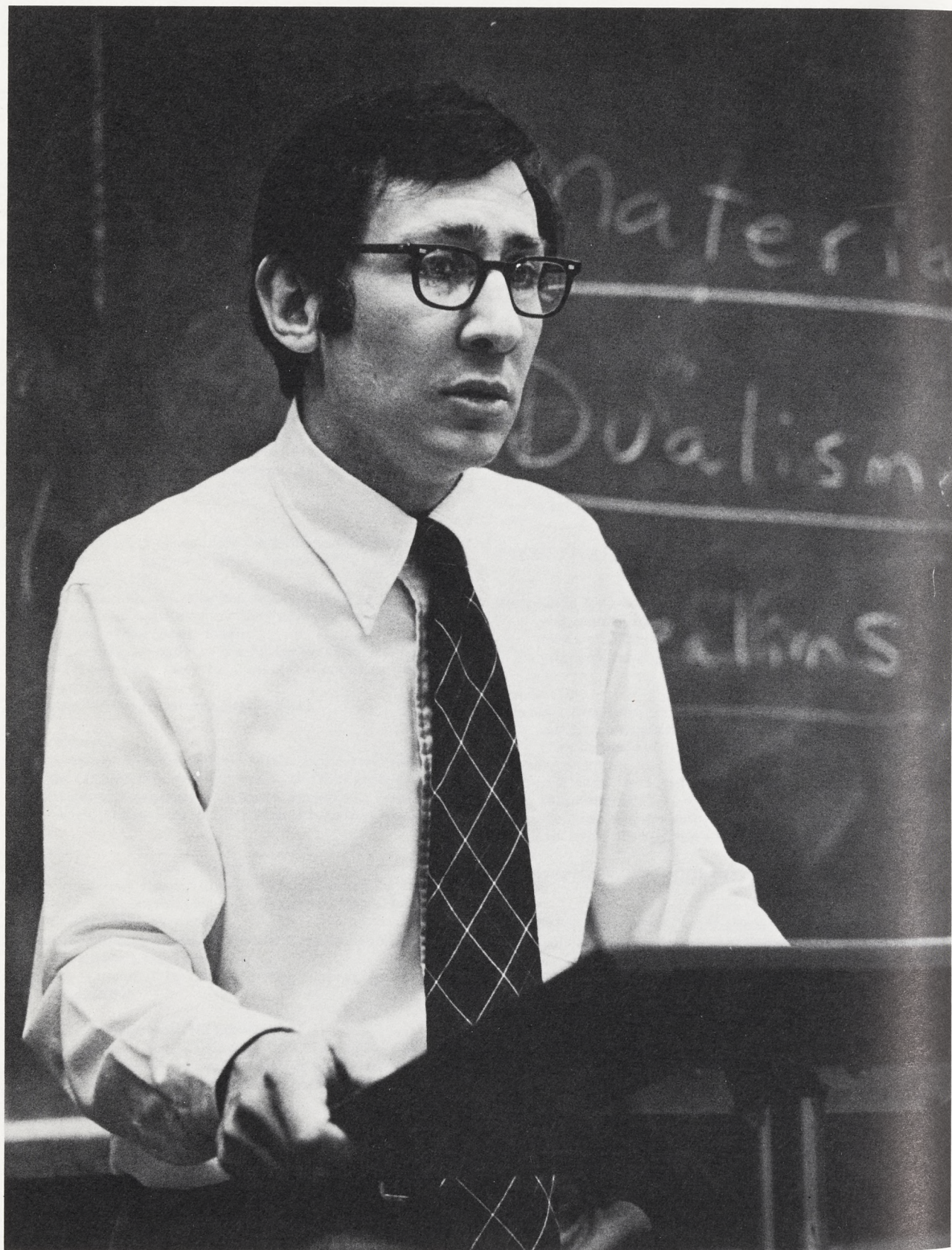
Responsible for annual review and evaluation of priorities reflected in the budget, and the general fiscal condition of the College — the findings to be reported to the Faculty, students, and trustees.

Membership (may be faculty, student, and/or administrator, as elected):

2 elected from the Academic Affairs Committee, by the Academic Affairs Committee, annually: Turney, Martin

2 elected from the Faculty Affairs Committee, by the Faculty Affairs Committee, annually: Norment, Beard

2 elected from the Student Affairs Committee, by the Student Affairs Committee, annually: Drew, Vacant
Chairman *ex officio*, President of the College: Bunting



ACADEMIC PROGRAM

In keeping with the classical ideal of education, Hampden-Sydney seeks "to form good men and good citizens." The College is committed to the development of humane and lettered men, and to the belief that a liberal arts education provides the best foundation not only for a professional career, but for the great intellectual and moral challenges of life. In an age of specialization, Hampden-Sydney responds to the call for well-rounded "whole men" who are educated in western culture and can bring to bear on modern life the wisdom of the past. The College seeks to awaken intellectual potential in a search for truth that extends beyond the student's undergraduate experience while encouraging him to develop clarity and objectivity in thought, a sensitive moral conscience, and a dedication to responsible citizenship.

The liberal education offered at Hampden-Sydney prepares the student for the fulfillment of freedom. It introduces the student to general principles and areas of knowledge which develop minds and characters capable of making enlightened choices between truth and error, between right and wrong. The mere facts about a subject do not speak for themselves. They must be interpreted against a background of ideas derived from an understanding of the nature of logic, language, ethics, and politics. The individual who is educated in these areas and in the basic disciplines is able to confront any event with true freedom to act, outside of the constraints of prejudice and impulse. With this object in view, Hampden-Sydney's curriculum is directed toward the cultivation of a literate, articulate, and critical mind through the study of the sciences, the humanities, and the social sciences. It provides both breadth and depth in learning while being flexible enough to encourage independent programs of study. Believing that education should be a liberating experience emancipating men from the chains of igno-

rance, Hampden-Sydney strives to make men truly free.

CAREER PREPARATION

Students who are uncertain of their prospective career should take a wide variety of courses in the first two years of their college work in order to gain an introduction to the various fields of knowledge. Specialization in a particular field of their choice can then be accomplished in the last two years.

Special programs are suggested for students who may wish ultimately to seek admission to one of the professions or to a graduate school.

GRADUATE STUDY

Students who plan to enroll in graduate school should maintain close liaison with members of the faculty in the area in which they plan to continue their education. In order to gain admission to graduate school, an applicant is expected to have done undergraduate work of a high caliber. A reading knowledge of at least one modern foreign language is usually required for the Ph. D. degree, and the applicant must score well on the Graduate Record Examination. For more specific requirements, students should consult the catalogues of graduate schools to which they are interested in applying.

BUSINESS AND GOVERNMENT

Students have successfully entered business and government from every major program of the College. However, the economics major is especially appropriate for students planning to enter business, government administration, or accounting. For those students specifically interested in a mana-

gerial or administrative orientation the managerial economics sequence is suggested. For details of the managerial economics program see the Economics Department requirements.

A student may enter private business or government immediately after graduation from college or after specialized study at the graduate level. Public accounting calls for the baccalaureate degree and further training leading to professional certification.

THE CHRISTIAN MINISTRY

Theological seminaries do not specify particular courses as prerequisites for admission but instead urge those who contemplate the Christian ministry to take a broadly-based selection of courses in the humanities and in the social and natural sciences. While not requiring these languages for admission, the seminaries do recommend that a prospective minister acquire in his undergraduate training a working knowledge of Hebrew and Greek. Hampden-Sydney provides all these opportunities. In addition, the wide variety of courses offered by the Department of Bible and Religion shows the student of what academic study in this discipline entails. And, of course, the professors in the department are always available for counsel.

LAW

The Association of American Law Schools recommends a general liberal arts education for pre-law students because "many of the goals of legal education are also goals of liberal education."

The Association recommends a pre-law curriculum which aims toward these objectives:

1. Clarity and lucidity in verbal expression.
2. A critical comprehension of social institutions.
3. Analytical and imaginative thinking.

With the foregoing objectives in mind, Hampden-Sydney College is pre-

pared to assist the pre-law student in planning his program of study. General guidance to students is available in the Department of Government and Foreign Affairs, the Center for Counseling and Career Planning, and from the Pre-Law Advisors.

MEDICINE AND DENTISTRY

According to the publication *Medical School Admission Requirements* (18th edition), published by the Association of American Medical Colleges, "Medicine needs individuals with a diversity of educational background and a wide variety of talents and interests Specific premedical course requirements . . . vary among the medical schools, but all recognize the desirability of a broad education—a good foundation in the natural sciences (mathematics, chemistry, biology, and physics), highly developed communication skills, and a rich background in the social sciences and humanities."

Eight semester hours of each of the following basic science courses are required for admission to virtually every medical school: general chemistry, organic chemistry, general biology, and general physics. Additional requirements are specified for some schools. Dental school requirements are similar.

Choice of a college major is a critical matter for premedical students. The majority, quite naturally, are interested primarily in science and should elect a full major in one of the sciences, such as biology or chemistry. The interscience major is generally not recommended because it provides a program more diffuse than that taken by other medical applicants with whom the student competes, and provides fewer alternatives for the student who may fail to attain admission to professional school.

Occasionally a premedical student who has great interest in a non-science field may elect to major in that field. This is permissible, but he should understand the *quality* of his science work must be unusually good to compensate for greater quantity of science courses taken by others. In the words of *Medical School Admission Requirements* (18th edition),

"the student who majors in a non-scientific field and elects the minimum number of required science courses must excel in them to insure the adequacy of his preparation and a favorable consideration of his application."

In order to prepare himself for the Medical College Admissions Test (MCAT) or the Dental Aptitude Test (DAT), generally taken at the end of the junior year, the student *must* complete the required basic science courses in his first three years. In order to develop the intellectual skills needed for good performance on the MCAT or DAT and to prove his motivation and ability for advanced study in medical/dental science, the student should elect a demanding curriculum in every semester. This should typically include at least two courses per semester in science and/or mathematics, and more for the well-qualified student who has a strong scientific orientation.

A faculty committee advises students concerning programs and applications, and prepares evaluations and recommendations.

SECONDARY SCHOOL TEACHING

The liberal arts education provides an excellent preparation for the individual who wishes not merely to qualify for, but to excel in, teaching at the secondary level. A strong major in the field to be taught, with supporting courses in related areas, is the most important preparation.

The interscience major provides a broad science background, including about six semesters' concentration in one field, and constitutes a satisfactory preparation for teaching in the field of concentration. However, the student who aspires to be a master teacher of science should elect a full major in one of the sciences in preparation for graduate study, as recommended by the National Science Teachers Association and other professional groups.

Most of the courses needed to satisfy the professional education requirements of the State may be taken at Hampden-Sydney or through the cooperative arrangement with Longwood College. The re-

maining course needed for full certification, student teaching, may be taken subsequently at any Virginia college which offers it. Students who think they may want to earn full certification should consult with the Registrar before the beginning of their junior year.

EDUCATIONAL FACILITIES

COMPUTING FACILITIES

The Hampden-Sydney Computing Facility is located on the first floor of Bagby Hall. The present system consists of the IBM 1130 Computer with 8196 words of core memory, 500,000 word magnetic disk auxiliary memory, 1132 printer and 1442 card read punch. Five IBM 029 card punch machines and four Wang Laboratory Desk Calculators are available for student use.

LANGUAGE LABORATORY

A foreign language laboratory equipped with thirty individual booths is located in Bagby Hall for the instruction of students in audio-lingual skills. Regular work in the development of these skills is required of all first and second-year students in modern languages.

EGGLESTON LIBRARY

The Hampden-Sydney Library, named for former President Joseph DuPuy Eggleston, is housed in an efficient, modern, air-conditioned building which has recently been enlarged, more than doubling the original size. Seating space is provided for 450 readers, including individual study tables, typing cubicles, seminar rooms, a microform room, a listening room, and an outdoor reading terrace. Coin operated Xerox facilities are available.

The book collection, numbering more than 110,000 volumes, got its start in 1775, nearly a year before the beginning of classes, when the Board of Trustees sent President Samuel Stanhope Smith to

Philadelphia to purchase books for the new school. It is growing at the rate of some 4,000 volumes a year. More than 500 periodicals and scholarly journals are received regularly. In addition, the library is a depository for selected U.S. Government publications. With the exception of the special collections mentioned below, the books and periodicals are all on open shelves and are readily available for ninety-six hours a week during the academic year. Students are instructed in the use of catalogues, bibliographies, and reference works, and in research techniques.

The attractively and comfortably furnished rare book room, a memorial to Alfred Alexander Jones, '42, contains the more valuable holdings of the library, along with books written by and about the alumni.

SCIENCE CENTER

The Science Center is a 62,500 square foot facility which includes a separate greenhouse. The facility was completed in 1968 and is unusually well equipped for undergraduate training in biology, chemistry and physics. Each of the three floors has been planned to meet the special requirements of one of these three scientific disciplines. All three departments are research-oriented, and special areas have been designed for faculty research, independent student research, and cooperative faculty-student projects.

SPECIAL PROGRAMS

SPRING SHORT TERM

Hampden-Sydney conducts a "short term" from mid-May to late June. The purpose is to provide students an opportunity to take courses which are experimental in content or presentation, particularly those which require extensive time off campus, and to enable them to finish their degree requirements in three years at Hampden-Sydney if they desire.

The maximum course load that a student may carry during the short term is six semester hours. Fees are charged by the course-hour.

WASHINGTON SEMESTER PROGRAM

Hampden-Sydney College is one of approximately 100 colleges and universities in the United States participating in the Washington Semester Program of The American University in Washington, D.C. The Program is designed to afford well-qualified students an opportunity to study American government in action, not only through courses in the School of Government and Public Affairs, but also through the Seminar which brings students into direct discussion with major public officials, political figures, lobbyists, and others active in national government. In addition to the regular Washington Semester, the arrangement with The American University includes the Washington International Semester, the Washington Urban Semester, the Washington Economic Policy Semester, and the Washington Science and Technology Semester. The Seminar of the International Semester brings the student into contact with government officials, policy planners, key legislators, foreign embassy personnel and national defense officials, while course work is taken in the School of International Service. The Urban Semester involves work in urban management, civic problems, and contact with officials in the urban planning of Washington and surrounding communities. The Washington Economic Policy Semester is an intensive examination of the policy-making process in Washington, particularly as it relates to economic policy. The Washington Science and Technology Semester includes seminars, field study, and research to give insight into the present state of science and technology in specific national problem areas, such as the energy crisis.

Only a few Hampden-Sydney students are accepted each semester. Successful nominees pay tuition and fees to Hampden-Sydney. They are considered by both institutions to be constructively regis-

tered at Hampden-Sydney, and the semester's work at American University becomes part of the Hampden-Sydney transcript for degree credit. Nominations are made in early October and April for succeeding semesters. Applicants need not be government and foreign affairs majors, but must be juniors or seniors in the semester of attendance and must have had the equivalent of American Government or a beginning course in political science. Applications should be made to the Washington Semester Director, Dr. Goldberg.

APPALACHIAN SEMESTER PROGRAM

The Appalachian Semester Program is conducted at Union College, Barbourville, Kentucky. It is a unique interdisciplinary academic program in which junior and senior students from higher educational institutions throughout the United States devote their full time to studying the Appalachian region—its strengths, problems and challenges. The program includes nine hours of credit in sociology at the upper division level, and six hours for field work in a variety of disciplines. Field work may be either experiential learning of a regional nature in a local service agency or other institutional setting, or it may be directed study in the region at large. The program is designed to combine interdisciplinary classroom experiences and on-the-scene community experiences into a "living-learning" situation where total involvement of students and faculty may take place. Opportunities are provided to discuss with local and regional leaders assets and problems of the region, and field trips are coordinated with seminar discussions in order to involve participants on the spot with current regional issues. Applications should be made to the Academic Dean.

DUAL DEGREE PROGRAM

Hampden-Sydney College and Georgia Institute of Technology have established a plan whereby an undergraduate student

will attend Hampden-Sydney College for approximately three academic years and the Georgia Institute of Technology for approximately two academic years. After completing the academic requirements of the two cooperating institutions, the student shall be awarded a bachelor's degree from Hampden-Sydney College and one of the several designated bachelor's degrees awarded by the Georgia Institute of Technology.

Dual Degree candidates from Hampden-Sydney College are eligible to seek any of the following degrees from Georgia Institute of Technology:

- Bachelor of Aerospace Engineering
- Bachelor of Ceramic Engineering
- Bachelor of Chemical Engineering
- Bachelor of Civil Engineering
- Bachelor of Electrical Engineering
- Bachelor of Engineering Economic Systems
- Bachelor of Engineering Science
- Bachelor of Industrial Engineering
- Bachelor of Mechanical Engineering
- Bachelor of Nuclear Engineering
- Bachelor of Science in Textile Chemistry
- Bachelor of Science in Textiles
- Bachelor of Textile Engineering

Interested students should consult the Hampden-Sydney Dual Degree program director, Dr. Beard, for information concerning specific course requirements.

APPLIED CHEMISTRY COOPERATIVE PROGRAM

Hampden-Sydney College and Virginia Polytechnic Institute and State University have established a cooperative program for students seeking careers in chemical engineering and/or applied chemistry, in which the student spends his first three years as a chemistry major at Hampden-Sydney followed by his senior year in the Department of Chemical Engineering at VPI&SU. Upon satisfactory completion of the program, the student is awarded the B.S. in chemistry from Hampden-Sydney. A student completing the program is eligible to begin study for the M.S. in chemical engi-

neering at VPI&SU, upon approval by that institution, in a program requiring two summers and one academic year.

Students interested in this cooperative engineering program should contact the program advisor, Dr. Smith.

EXCHANGE

Hampden-Sydney College participates with Hollins College, Randolph-Macon Woman's College, Sweet Briar College, and Mary Baldwin College in a program known as EXCHANGE: A College Consortium. This program is designed primarily for juniors to study for a semester or academic year at one of the four other schools. Purposes of the program are to broaden the educational opportunities of students and to provide a diverse campus environment.

Eligibility of the student to participate is determined by the home institution. Students who are interested should apply to the Registrar.

LONGWOOD COLLEGE COOPERATIVE PROGRAM

The variety of courses available to Hampden-Sydney students has been increased by a cooperative arrangement with Longwood College under which full-time students at either institution may enroll for certain courses at the other institution without added expense. A list of approved Longwood courses is maintained in the Registrar's Office. Application for a Longwood course is made through the Registrar of Hampden-Sydney, preferably at the time of pre-registration. Students are registered on a space-available basis.

ROTC

Hampden-Sydney men may enroll in the ROTC program conducted at Longwood College as part of the Longwood College Cooperative Program. Application for Military Science courses is made through the Registrar at Hampden-Sydney, just as for

any other course at Longwood. Such courses are recorded on the students transcript. *However, Military Science courses do not count as hours toward graduation, nor are they computed in the student's grade point average.*

Application for acceptance in the Advanced Course requires the nomination of the President of Hampden-Sydney College and acceptance into the Course by the Officer in Charge.

FOREIGN STUDY

Hampden-Sydney College does not conduct its own "study-abroad" program, but Hampden-Sydney students are eligible for some of the foreign study programs sponsored by other colleges on terms established by those institutions. In addition, the Foreign Study Committee can recommend to the Registrar that credit be given for satisfactory completion of any of a number of other programs involving academic work abroad. The programs approved usually require the student's participation in a group sponsored and supervised by an accredited American institution, or a recognized administrative agency, and the individual program must clearly form a legitimate part of the student's curriculum. The Committee's criteria for recommendation for credit include a minimum GPR and the approval of the student's major department and advisor. Ordinarily, no student who has accumulated fewer than 45 or more than 90 semester hours work at Hampden-Sydney will be eligible for foreign-study credit; all foreign-study credit will be counted as transfer credit. The recommendation for credit must be obtained *in advance* of the work abroad.

THE HONORS PROGRAM

The Honors Program is designed specifically for the man who has given evidence of intellectual curiosity, independence of thought, excitement about learning, and an appreciation of knowledge—for the sort of man who sparks the enthusiasm of his

fellow students and challenges the best in his teachers. Participants in the program are encouraged to take an active role in the learning process, entering into dialogue with their professors and classmates, rather than just listening to lectures. The size of Hampden-Sydney, and her excellent faculty, make her uniquely suited to provide a learning environment for this type of motivated student.

The program provides the following components (each an independent entity that can be elected by the students): (1) *Introductory Honors* for freshmen and sophomores, consisting of one course per semester for four semesters. Four-fifths of the student's academic work is taken in the broader curriculum of the college during this period. (2) *Honors Independent Study* for juniors and seniors, comprising a series of courses, independent studies, or tutorials organized around a specific theme (generally cross-disciplinary) and culminating in an independent project. (3) *Honors Majors* are available to upperclassmen in specific departments. These consist of special courses and appropriate directed reading or independent study. Each student participating is designated a Fellow of the College, sharing fully in the ongoing creativity of the Faculty and his fellow Honors students.

Supervision of the Honors Program is the responsibility of the Honors Council, comprised of an advising-teaching team of faculty, administrative officers of the College, and members of the Board of Trustees of the College. Participation in Honors work is limited to demonstrably superior students who either apply for membership in the program or are nominated by guidance counselors or professors. Interested students should consult the Director of the Honors Council, Dr. Rogers. Entrance into any phase of the program is subject to the approval of the Honors Council.

SENIOR FELLOWSHIPS

In the spring of their junior year a group of men are selected to be Senior Fellows for

the following year. These men must demonstrate the maturity, intellectual competence, and imaginative curiosity to warrant their pursuit of a program of independent study contributing to their own enrichment and that of the College. The Fellows are permitted the maximum amount of freedom consonant with the satisfactory development and completion of their personal project. This normally includes the waiving of conventional curriculum requirements. Each Senior Fellow shall work closely with an advisor in executing his program of study. Usually the Fellow is required to submit a year-end report of his efforts. The essence of the Senior Fellowship program is responsible individualism. Within a reasonable academic framework, the student is offered an unexcelled opportunity for personal intellectual fulfillment.

Selection of the Fellows is made by the President on the recommendation of the Honors Council. The Council shall provide general supervision of all programs and may prescribe certain requirements for the Fellows. Also, the Council must certify at year's end that the program of study undertaken has been successfully completed.

Members of the junior class may become candidates for Senior Fellowships by individual application, or on nomination by any member of the faculty. Each candidate must file his application with the Director of the Honors Council during the first few weeks of the second semester. He shall include in his application the name of the faculty member who has consented to be his principal advisor and a detailed description of his project, what he proposes to do, why he wants to do it, and how to achieve his purposes. Senior Fellows pay full tuition.

THE RHETORIC PROGRAM

The Rhetoric Program was established by a vote of the faculty in 1977-1978. The purpose of the program is to assure that all graduates of the College are able to write and speak clearly, cogently, and grammatically.

cally. The program is divided into a two-course sequence, Rhetoric 101 and 102.

Rhetoric 101 teaches the mechanics of effective writing—from basic sentence patterns through paragraph development to the preparation of an effective paper. Entering students with scores at or above 650 on the SAT Verbal or English Achievement Tests, or 60+ on the TSWE, may be *considered* for exemption from Rhetoric 101.

Rhetoric 102, required of all students, focuses on the study and composition of the essay, with special attention to stylistic clarity, vocabulary building, and research techniques.

Each student must pass a proficiency examination in rhetoric at the end of his sophomore year. The examination will be a combination of an objective test and a timed essay, the essays to be evaluated by faculty members drawn from the faculty at large.

A student who performs unsatisfactorily on this examination has the option of taking a short-term course, auditing a freshman rhetoric course, of seeking tutorial assistance. Opportunities for a retest will be provided, and a student may not begin his senior year (seventh semester) until he has satisfied this proficiency requirement.

This requirement applies equally to all students, whether transfer students or not.

Students who entered Hampden-Sydney prior to the fall of 1978 and who have not satisfied the English composition proficiency requirement will be allowed to do so by successfully completing Rhetoric 101.

Students who successfully completed English 105 will be allowed to take Rhetoric 102 for graduation credit hours but not distribution credit hours.

THE ADVISING SYSTEM AND MAJORS

FACULTY ADVISORS

Advisors are assigned to incoming freshmen upon admission. The educational goals of the student as well as his vocational and avocational interests provide the basis for the selection of his advisor. Each student is urged to consult with his advisor before registering for classes each semester and whenever an academic problem or opportunity warrants the need of counsel.

In the spring of the sophomore year, each student must declare his major or area of concentration, and is assigned to his major department for subsequent advising. Later, during the spring semester, each sophomore is asked to consult with his advisor and plan a coherent program for the junior and senior years. The advisor may give guidance to the student in the choice of graduate or vocational opportunities.

MAJORS

A student may elect to major in any one of the following disciplines or groups of disciplines:

Bible and Religion	Greek and Latin
Bible, Religion, and Philosophy	History
Biology	Humanities
Biochemistry	Latin
Biophysics	Management Economics
Chemistry	Mathematics
Chemical Physics	Mathematics and Computer Science
Classical Studies	Mathematics and Natural Science
Economics	Philosophy
Economics with Mathematics	Physics
English	Psychology
French	Spanish
Government and Foreign Affairs	
Greek	

The requirements for each of these majors may be found in the section on Course Descriptions.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

It is solely the responsibility of the candidate for graduation to make sure he meets all of the stated requirements for the degree.

Every student who completes the following requirements in ten or fewer semesters will receive a Bachelor of Arts, or for a student majoring in the natural sciences who requests it, a Bachelor of Science degree.

PROFICIENCY REQUIREMENTS

Proficiency in English composition and in a foreign language at the 200 level; each proficiency is to be demonstrated either by examination or by course work (i.e., one 3-hour semester course in English composition; two semester courses in a foreign language at the 200 level, or one 3-hour course at the 300 level).

DISTRIBUTION REQUIREMENTS

Successful completion of six courses (each of three semester hours credit) in four departments in the Humanities, and three courses (each of three or four semester hours credit) in two departments in both the Social and the Natural Sciences. In addition, one of the courses in the Natural Sciences must include, or be taken with, a related laboratory course. Neither courses taken to satisfy proficiency requirements nor courses taken in the department of the major may be used to satisfy the distribution requirement. For this purpose the departments in the various divisions are:

Humanities

(18 hours; 4 departments)

Bible and Religion, Classics, English, Modern Arts, Modern Languages, Philosophy, Western Man

Social Sciences

(9 hours; 2 departments)

Economics, Government and Foreign Af-

fairs, History, Psychology (including Sociology)

Natural Sciences

(10-12 hours; minimum of 1 lab course; 2 departments)

Biology Chemistry, Mathematics, Physics

CREDIT HOURS REQUIREMENT

Successful completion of enough course work to total 123 semester hours of credit. The semester hour of credit is authorized for a class which meets 50 minutes per week for the semester or for the laboratory which meets two and one-half hours per week for the semester.

MAJOR REQUIREMENT

Successful completion of the courses required to qualify for a major in the department or area of specialization.

RESIDENCE REQUIREMENT

A minimum residence of two academic years, including the last year preceding graduation. A minimum of sixty hours of credit (of the 123 hours required for graduation) must be earned in courses taught at Hampden-Sydney. Following termination of the last semester of residence a student may receive no more than eight semester hours of credit for work done elsewhere.

QUALITY REQUIREMENT

A grade point average of 2.0 (C) on work taken at Hampden-Sydney and in cooperative programs, or 123 hours or C work or better, at least sixty hours of which must be earned in courses taught at Hampden-Sydney. The grade point average is calculated by dividing the total quality units earned at Hampden-Sydney and in cooperative programs by the total hours attempted.

***REQUIREMENTS FOR A SECOND
BACHELOR'S DEGREE***

Anyone who has earned a bachelor's degree at Hampden-Sydney or elsewhere may seek to earn a second bachelor's degree at Hampden-Sydney. The candidate for the second degree must be cleared by the regular admissions process. Granting of the second degree requires the completion of two semesters of residence at Hampden-Sydney and of at least 30 hours of

academic credit during that period. In addition, fulfillment of the present core requirements through courses taken in the original four-year program and/or courses taken in the fifth year, and similarly the fulfillment of the course requirements for an academic major distinct from the major of the original bachelor's degree, is required. The student's proposed fifth year program must also be approved for overall coherence and quality by the Dean of the Faculty and the chairman of the major department.

ACADEMIC REGULATIONS

Academic rules, regulations, practices and procedures are fundamental to the total educational program at Hampden-Sydney College. Each student who enrolls at Hampden-Sydney is expected to become familiar with the regulations and practices set forth in the following section.

GRADES AND QUALITY POINTS

Course work is evaluated in the following terms:

Grades		Quality Points per semester hour
A	Excellent	4
A-	.....	3.7
B+	.....	3.3
B	Good	3
B-	.....	2.7
C+	.....	2.3
C	Fair	2
C-	.....	1.7
D+	.....	1.3
D	Poor	1
E	Failure may continue* .	0
F	Failure	0
WF	Withdrew Failing	0
W	Withdrew	0
I	Incomplete	0

**This grade is given only for the first semester of continuing (0-6) courses. If a student receives the grade of E, he may continue in the following semester of that course. If the grade for the second semester is passing, the student will not be required to repeat the work of the first semester, and the graduation requirement of the whole course will be fulfilled. No hours of credit will be given for the semester which bears the grade of E.*

SATISFACTORY PROGRESS

A student who at the end of any semester has an accumulated grade point ratio below 2.00 or who has fewer accumulated hours than listed below is not making satisfactory progress toward a degree:

Semester	1	2	3	4	5	6	7
Hours	14	28	43	58	73	89	105

PROBATION FOR ACADEMIC REASONS

A student who at the end of any semester has completed fewer semester hours and/or has a grade point average below those listed below is placed on academic probation. A student on academic probation is required to enter the Study Skills Program as a condition of continuing enrollment in the College.

Minimum Single Semester's Record

Effective Semester in College	1	2	3	4	or more
Hours	8	8	12	12	
Grade-Point Ratio	1.2	1.3	1.4	1.5	

Minimum Accumulated Record

Effective Semester in College	1	2	3	4	or more
Grade-Point Ratio	1.2	1.6	1.8	2.0	

SUSPENSION FOR ACADEMIC REASONS

1. A student who is not off probation at the end of any probationary semester is suspended from enrollment, subject to review by the Executive Committee of the Faculty.
2. In addition, any student who receives a grade of E or F for over 50% of the hours he has attempted in any one semester is suspended from enrollment.

CLASS ATTENDANCE

Since a college education is given direction by the work of the classroom, class attendance is essential. Professors inform

their classes at the beginning of each semester what attendance is expected in each course. Students who find it necessary to miss classes for a number of days should inform the Dean of Students. Students who find it necessary to leave the campus for medical reasons are expected to consult with the College physician. Absences for medical reasons require a written statement from the attending physician.

FRESHMAN REGISTRATION

Each new student will have the opportunity to register for his first semester courses by mail before the beginning of the new term. During orientation he will meet with his faculty advisor to review his course selections. If necessary, changes may be made in his selections before classes begin.

COURSE LOAD REGULATIONS

1. Every student needs to carry a normal course load of 15-16 hours each semester in order to make satisfactory progress towards the 123 hours required for graduation.
2. Every student must carry a minimum course load of twelve hours each semester. To take fewer than twelve hours, the student must receive the permission of his advisor and the Academic Dean.
3. No student may take more than nineteen hours in any semester.
4. A student hopelessly deficient in one subject may, with the permission of the instructor, advisor, and the Registrar, drop that course. The grade for the semester will be recorded as WF.
5. Courses may not be added after the first week of classes in any semester.
6. Courses may be dropped without penalty only during the first four weeks of classes in any semester and then only with the permission of his advisor and the instructor. A fee of \$5.00 will be charged students for each course dropped during this period.

Note: These course regulations may be modified by action of the Executive Committee of the Faculty.

EXAMINATIONS

Examinations are held at the end of each semester. A charge of \$5.00 payable to the Business Office, is made for special examinations.

RE-EXAMINATIONS

Seniors who were doing passing work in a course prior to examination week but who fail the final examination may, upon the recommendation of the professor concerned and the approval of the Academic Dean, be granted a re-examination. The re-examination stands in lieu of the regular examination and must be averaged with all other grades used in the computation of the final grade, which in no case may be higher than a D.

GRADE REPORTING

At the end of each semester a grade report is sent to the parent or guardian of each dependent student. Once during the first semester and once during the second semester, reports of unsatisfactory progress in specific courses are similarly sent.

INCOMPLETES

Grades of Incomplete (I) must be removed no later than three weeks following the end of the semester or the grade automatically becomes an F.

DEAN'S LIST

The Dean's List is composed of those students who receive a grade point ratio of at least 3.3 for fifteen hours or more of work in any given semester.

GRADUATION WITH HONORS

Graduation with honors shall be according to the following requirements:

Summa cum laude

a grade point ratio of 3.7

Magna cum laude

a grade point ratio of 3.5

Cum laude

a grade point ratio of 3.3

TRANSFER CREDIT

A student transferring college credit from another institution must have earned a grade of C or better for each course accepted for credit. No quality points are given.

Credits are allowed only for courses which are equivalent to those available at Hampden-Sydney and which are not being presented toward a degree at any other institution. No credit will be given for correspondence courses.

SUMMER SCHOOL CREDIT

Subject to departmental approval, hours earned for courses taken in summer school

at a four-year accredited institution are accepted if the grade earned was C or higher. The grade and hours earned are entered on the student's transcript, but no quality points are given and the grade point ratio is unaffected.

WITHDRAWAL FROM COLLEGE

Any student who withdraws from the College must have the approval of the Dean of the Faculty and the Dean of Students. A student resigning on or after December 1 of the first semester or April 1 of the second semester will receive a grade of WF in all courses. He is not ordinarily eligible to return the next semester.

EXCLUSION FROM COLLEGE

The College authorities reserve the right to exclude at any time a student whose conduct or academic standing they regard as unacceptable; in such a case fees will not be refunded or remitted, in whole or in part.

ACADEMIC CALENDAR 1978-1979

First Semester, 1978

August

- 25 – Friday – Freshman and transfer students report
- 28 – Monday – All other students report
- 29 – Tuesday – Classes begin

September

- 5 – Tuesday – Last day of Add Period
- 23 – Saturday – Parents and Friends Weekend
- 26 – Tuesday – Last day of Drop Period

October

- 6 – Friday – Fall break begins after classes
- 11 – Wednesday – Classes resume

- 21 – Saturday – Homecoming
- 27 – Friday – Deficiency reports due in Registrar's Office

November

- 22 – Wednesday – Thanksgiving break begins after classes
- 27 – Monday – Classes resume

December

- 15 – Friday – Last day of classes
- 16 – Saturday – Study Day
- 18 – Monday – First day of Exams
- 22 – Friday – Last day of Exams

Second Semester, 1979

January

- 9 – Tuesday – All students report
- 10 – Wednesday – Classes begin
- 17 – Wednesday – Last day of Add Period

February

- 7 – Wednesday – Last day of Drop Period

March

- 2 – Friday – Deficiency reports due in Registrar's Office

- 16 – Friday – Spring break begins after classes
- 26 – Monday – Classes resume

May

- 1 – Tuesday – Last day of classes
- 2 – Wednesday – Study Day
- 3 – Thursday – First day of Exams
- 8 – Tuesday – Last day of Exams
- 13 – Sunday – Graduation

COURSE OFFERINGS

DIVISIONS OF STUDY

The academic departments and courses of instruction are grouped according to the following three divisions:

HUMANITIES, including the Departments of Bible and Religion, Classics, English, Fine Arts, Modern Languages, Philosophy, and Western Man.

NATURAL SCIENCES, including the Departments of Biology, Chemistry, Physics, and Mathematics.

SOCIAL SCIENCES, including the Departments of Economics, History, Government and Foreign Affairs, Psychology, and Physical Education.

BIBLE AND RELIGION

ASSOCIATE PROFESSORS NORMENT, ROGERS; VISITING ASSISTANT PROFESSOR CARNEY

The requirements for a major in Bible and Religion are 30 hours in Bible and Religion courses. Of this total, a minimum of 3 hours must be in Old Testament and 9 hours in New Testament courses. 6 hours in Philosophy courses are also required. Philosophy 307, if elected in addition to the required 6 hours in Philosophy, may be substituted for 3 hours in Bible and Religion. Also recommended: 6 hours in Greek, 6 hours in German.

The requirements for a concentration in Bible and Religion and Philosophy are 18 hours in each department, specific courses and cognate courses to be chosen in consultation with the departments.

BIBLE 201. (3) *Staff*
THE OLD TESTAMENT HERITAGE. An introduction to the history and literature of the Old Testament. Open only to students with no prior credits in Old Testament studies, except by permission of the instructor. Prerequisite: None. Offered: Fall semester.

BIBLE 202. (3) *Staff*
INTRODUCTION TO THE NEW TESTAMENT. An introductory survey of Christian origins and of the literature of the New Testament. Open only to students with no prior credits in New Testament studies, except by permission of the instructor. Prerequisite: None. Offered: Spring semester.

RELIGION 205 (3) *Carney*
INTRODUCTION TO WORLD RELIGIONS. An introduction to the origins, development, and current status of the major religions of the world. The course is designed to demonstrate the scope and diversity of religious traditions as well as to indicate the common questions that the various traditions address. Prerequisite: None. Offered: Fall semester.

BIBLE 285-86. (3-3) *Rogers*
TUTORIAL IN BIBLICAL HEBREW. Introduction to basic vocabulary and grammar of Biblical Hebrew. Emphasis on: (1) learning to read sentences in the Hebrew Old Testament; (2) acquiring a facility in using a Hebrew lexicon and in using the critical notes in the Hebrew text. Prerequisite: None. Offered on sufficient demand.

RELIGION 301. (3) *Rogers*
THE NATURE OF RELIGIOUS EXPERIENCE. In every age men and women have sought to understand the mystery of birth, the origin of good and evil, the uncertainty of suffering and death. This course is designed to investigate a variety of religious beliefs and customs to determine how peoples of every age have perceived reality at the deepest levels of their existence. In the process, a variety of critical methodologies will be utilized. Prerequisite: None required, but a 200-level Bible/Religion course, or Western Man 101-102 recommended. Offered: Fall semester of even years.

RELIGION 303. (3)

Rogers

JUDAISM AS A LIVING TRADITION. Jewish history and religion, institutions and observances, customs and lore from the Biblical period to the present. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 304. (3)

Staff

RELIGIONS OF THE MIDDLE EAST. A tracing of the cultural and religious history of the Middle East with particular attention to two features: (1) the emergence of Zoroastrianism and its influence upon postexilic Judaism, and (2) the rise and development of Islam from the seventh century to modern times. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 305. (3)

Carney

RELIGIONS OF INDIA. A study of the religions of India and of the historical and cultural context in which they developed. Prerequisite: None. Offered: Spring semester of even years.

RELIGION 306. (3)

Carney

RELIGIONS OF EAST ASIA. A study of Taoism, Confucianism, Shintoism, and Buddhism in the context of the history and culture of East Asia. Prerequisite: None. Offered: Spring semester of odd years.

RELIGION 307. (3)

Norment

RELIGION IN AMERICA. A study of the role of religion in the development of American culture, with particular attention to distinctive Christian groups and to significant trends in American Christian thought. Prerequisite: None. Offered: Spring semester.

RELIGION 308. (3)

Norment

CONTEMPORARY CHRISTIAN THEOLOGY. A study of major developments and the writings of significant leaders, European and American, in 20th century Christian thought, with particular attention to current trends. Prerequisite: Bible 202, or permission of the instructor. Offered: Fall semester of even years.

RELIGION 309. (3)

Norment

CHRISTIAN ETHICS. A study of significant traditional and contemporary emphases in Christian ethical theory, and the application of Christian ethical analysis to selected moral and social issues. Prerequisite: None required, but Bible 202 recommended. Offered: Fall semester.

BIBLE 310. (3)

Staff

THE HEBREW PROPHETS. An investigation of the rise and development of the prophetic movement in Israel, with particular emphasis upon the relevance of the prophets for their own and later times. Prerequisite: Bible 201, Western Man 101, or permission of the instructor. Offered: Spring semester of even years.

BIBLE 311. (3)

Rogers

EARLY CHRISTIANITY. A consideration of the religious and historical milieu in which the early Christian Church arose. The major questions posed will be "why" and "how" the Christian community survived and grew. A primary focal point will be the letters of Paul, with particular emphasis on his contribution to the early Church. Prerequisite: None required, but Bible 202 or Western Man 101 recommended. Offered: Spring semester of odd years.

BIBLE 312. (3)

Norment

THEOLOGY OF PAUL. A study of principal theological and ethical ideas and issues in the letters of Paul, undertaken from the perspectives of Biblical and historical theology rather than from those of literary or biographical analysis. Some consideration will be given to the interpreters of Paul — his influence on subsequent theologians such as Martin Luther, Karl Barth, and Reinhold Niebuhr. Prerequisite: Either Bible 202, Bible 311, or permission of the instructor. Offered: Fall semester of odd years.

BIBLE 313. (3)

Rogers

JESUS IN THE SYNOPTIC TRADITION. An evaluation of the person and work of Jesus as portrayed in Matthew, Mark and

Luke. Prerequisite: Bible 202, Western Man 101, or permission of the instructor. Offered: Fall semester of odd years.

BIBLE 314. (3) *Staff*
THE JOHANNINE LITERATURE. A study of the five New Testament books traditionally associated with "John" — the Gospel of John, the Epistles of John, the Apocalypse (Revelation) of John. Prerequisite: Bible 202, Western Man 101, or permission of the instructor. Offered: Fall semester of even years.

BIBLE 315. (3) *Rogers*
BIBLICAL ARCHAEOLOGY AND BIBLICAL HISTORY. History and methodology of Near Eastern excavations, including a concentrated study of several Biblical sites. Analysis of the contributions of archaeological research to a more accurate understanding of the history and everyday life of the Biblical period (Old and New Testament times) within the broader context of the history of the ancient Near Eastern and Mediterranean worlds. Prerequisite: None required, but Bible 201 or Bible 202 recommended. Offered: Fall semester of even years.

RELIGION 406. (3) *Norment*
CONTEMPORARY ISSUES IN CHRISTIAN ETHICS. Intensive study of selected issues, both theoretical and practical, in the field of Christian ethics; a seminar course. Prerequisite: Either Religion 309 or Philosophy 304, or permission of the instructor. Open only to juniors and seniors. Offered: Spring semester of even years.

RELIGION 407. (3) *Norment*
RELIGION AND DEATH. A study of the perception and management of death in various religious traditions, with particular reference to New Testament conceptions and the perspectives of contemporary theologians; consideration of certain ethical issues associated with death and dying. Prerequisite: Either Bible 201 or 202, or any Religion course from 301 to 306, or permission of the instructor. Offered: Spring semester of odd years.

RELIGION 408. (3) *Rogers*
THEOLOGY AND LITERATURE. A consideration of the usage of specific Biblical and/or religious themes or motifs in contemporary literature. The emphasis will be on discerning what principles of interpretation are used in giving contemporary expression to specific themes. The focus for 1976-77: the theme of suffering as explicated especially in so-called "Christ figures." Prerequisite: Bible 202, Religion 301, or permission of the instructor. Offered: Spring semester of even years.

RELIGION 475. (3) *Staff*
SEMINAR IN CONTEMPORARY THEOLOGICAL ISSUES. Intensive study of selected issues in the fields of contemporary and/or Biblical theology. Limited enrollment. Open to juniors and seniors (sophomores by permission of the instructor). Prerequisite: Bible 202, Religion 308, or permission of instructor. Offered: Intermittently, either semester.

RELIGION 485. (1, 2, or 3 hours) *Staff*
SPECIAL TOPICS. Intensive study of selected topics or writers in the areas of Biblical and religious studies, chosen on the basis of student interest. Prerequisites: At least 6 hours in Bible and Religion courses. Offered: Either semester; enrollment by arrangement with the instructor.

RELIGION 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. Supervised reading and research for advanced students. Prerequisites: At least 6 hours in Bible and Religion courses. Offered: On request.

BIOLOGY

PROFESSOR TURNEY; ASSOCIATE PROFESSORS CRAWFORD, GEMBORYS, SHEAR; ASSISTANT PROFESSOR LUND

The diverse preparation necessary for different graduate biology programs in different institutions often necessitates tailoring the undergraduate major to suit the particular needs of the student. All students interested in becoming biology majors are requested to see a represen-

tative of the biology department during their freshman year to discuss their future programs of study. The biology major requires a minimum of 33 academic hours in the department and includes Biology 103, Biology 400, at least one zoology course and at least one botany course. A year of chemistry is also required.

Note: Many graduate schools require courses in physics, mathematics through calculus, organic chemistry, statistics, computer science, physical chemistry, and electronics by way of preparation for certain biology majors. The Department of Biology recommends that all students planning to pursue graduate or professional studies in the biological sciences investigate the undergraduate prerequisites for their particular major by the fall semester of their junior year so that they may be incorporated into their undergraduate program.

BIOLOGY 103. (3) *Crawford, Lund, Shear*
GENERAL BIOLOGY. An introduction to biological phenomena that contribute to man's appreciation of himself and his environment. Topics include a study of molecular and Mendelian genetics, evolution, biotic interrelationships, homeostatic phenomena and related physiological mechanisms. This course fills the biology portion of the science requirement for graduation and, unless otherwise specified by the staff, serves as a prerequisite for all other courses in the department. Prerequisite: None. Corequisite: Biology 153. Offered: Fall semester.

BIOLOGY 108. (3) *Gemborys*
ENVIRONMENTAL BIOLOGY. A consideration, based on basic biological concepts, of the processes leading to the degradation of our environment. The course will include discussions of such topics as environmental pollution by pesticides, industrial by-products, radioactive materials, etc., the historical background and future prospects of the population explosion, and the need for preservation of our natural resources. Not open to students who have taken Chemistry 111 or Physics 105. Prerequisite: None. Offered: Each semester.

BIOLOGY 111. (1) *Gemborys*
NATURAL MAN. Readings, discussions and films designed to illustrate the capacity of man to survive in hostile environments and to demonstrate the close ecological

balance maintained between primitive man and his environment. Emphasis will be given to early Arctic and Antarctic exploration and to the study of Esquimeaux culture. Readings will include works by Stefansson, Nansen, Amundsen, Scott, Cherry-Garrard, Shackleton and Byrd. Admission by consent of instructor. Prerequisite: None. Offered: Spring semester of odd years.

BIOLOGY 142. (4) *Gemborys*
BOTANY. An introductory study of the anatomy, morphology, taxonomy, physiology, and ecology of plants. In addition, the commercial and medicinal uses of plants will be considered. Two 2½ hour meetings per week, with the laboratory experience integrated within the lecture portion of the course. Prerequisite: None. Offered: Spring semester of odd years.

BIOLOGY 153. (1) *Crawford, Lund, Shear*
LABORATORY IN GENERAL BIOLOGY. A laboratory course meeting once a week for three hours. The purpose of this course is to acquaint students with some living organisms and to introduce them to the values and limitations of scientific inquiry. This course is to be taken by all students enrolled in Biology 103. Only students enrolled in or who have successfully completed Biology 103 are eligible for enrollment in this course. Prerequisite or Corequisite: Biology 103. Offered: Fall semester.

BIOLOGY 158. (1) *Gemborys*
LABORATORY IN ENVIRONMENTAL BIOLOGY. A laboratory experience designed to demonstrate the interactions between plants and animals and their environment and to acquaint the non-science-oriented student with techniques and methods used in the measurement of environmental parameters. Consideration will be given to such topics as the thermal and chemical stratification of lakes and ponds and how this phenomenon affects aquatic organisms; a comparison of the chemical and physical characteristics of natural and polluted streams; the effects of

logging and fire in local forest ecosystems; and the study of the population dynamics and behavior of confined populations of small mammals. Prerequisite or Corequisite: Biology 108. Offered: Fall semester.

BIOLOGY 207. (2) *Crawford*
SEMINAR ON THE GREAT BIOLOGISTS. A study of the lives and classical contributions of the most significant figures in the history of biology. The chief criterion used in selecting the subjects is their effect upon subsequent thought and development in the life sciences. This seminar requires extensive biographical reading. Admission by consent of instructor. Two three-hour meetings per month. Prerequisites: Biology 103 and 153. Offered: On sufficient demand.

BIOLOGY 215. (4) *Lund*
CYTOLOGY. Cytology is an introduction to cells in terms of structure and function. Major emphasis in lecture sessions includes descriptions of cell organelles and their functions, the mechanics of cell division including somatic, meiotic and endomitotic divisions, and basic cytogenetics. Structure of differentiated cells is considered in relation to the function of various animal and plant tissues. Students will examine professionally prepared material as well as slides of their own making in the laboratory. Students are involved in techniques in cytogenetics and histochemistry utilizing animal and plant material. Three lecture sessions, one laboratory period per week. Enrollment limited to 20. Prerequisite: Biology 103. Corequisite: None. Offered: Spring semester.

BIOLOGY 220. (4) *Shear*
MICROBIOLOGY. Morphology, physiology, systematics and ecology of microorganisms, with major emphasis on the bacteria. Two lectures and two labs per week. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 232. (4) *Crawford*
PARASITOLOGY. The biology of animal

parasites - their history, life cycles, host relationships, modes of infection, transmission, and pathogenicity. Laboratory exercises will include work on prepared slides and the examination of living parasitic forms when possible. Students will be required to prepare some permanent slide mounts from living parasites. Three lectures and one laboratory period per week. Prerequisite: Biology 103. Offered: Spring semester of even years.

BIOLOGY 241. (4) *Shear*
INVERTEBRATE ZOOLOGY. An intensive study of the taxonomy, morphology, physiology and ecology of the invertebrates. The phylogenetic origin of the organ-system is studied in relation to basic adaptive patterns. Biochemical, embryological, morphological and physiological similarities and dissimilarities are observed. Representative species from the major phyla are studied in the laboratory. Three lectures and one lab per week. Prerequisites: Biology 103 and 153. Offered: Fall semester of even years.

BIOLOGY 243. (4) *Shear*
ENTOMOLOGY. An intensive study of the insects as representatives of the Phylum *Arthropoda*. Lecture topics will include insect physiology and behavior, insect morphology and classification, social insects, methods of insect control, and insect ecology. Laboratories will consist primarily of work on the local insect fauna. A collection will be required and will form a major part of the student's grade. Prerequisites: Biology 103 and 153. Offered: Fall semester of odd years.

BIOLOGY 250. (3) *Turney*
BIOETHICS. Examines the growing field of problems lying at the interface between advancing technological expertise in the health fields and the related moral and ethical problems which are being raised by such advances. An attempt will be made to place man in his proper biological perspective and to provide students with the mental tools and outlooks with which they can make intelligent judgments in bioethical matters and then live with their

decisions. No lab. Prerequisite: None. Offered: Spring short term.

BIOLOGY 253 - 254. (4-1) *Gemborys*
PLANT COMMUNITIES. A consideration of the interrelationships between plants and their environment with the main emphasis being on the synecological rather than the autecological relationships. These relationships will be observed through study of the major plant communities of Virginia. Emphasis will be placed on the role of succession and environment in the development of plant associations. Three lectures and one laboratory per week, first semester; one laboratory per week, second semester. The work in the second semester will consist of directed study of a problem of interest to the student and will be based on the principles and methods studied in the first semester. Prerequisites: Biology 103 and 153. Offered: 253 in the fall of odd years; 254 in the spring of even years.

BIOLOGY 260. (4) *Gemborys*
TROPICAL BIOLOGY. A consideration of the biology of plants and animals, including man, living in a tropical environment. Special emphasis will be given to the study of the structure and function of a typical coral reef and to the study of the ecology, physiology, and taxonomy of other locally important marine forms. Course presented on the Hampden-Sydney campus and at a tropical marine biology laboratory. Prerequisite: Permission of the instructor. Offered: Spring short term on sufficient demand.

BIOLOGY 270. (4) *Gemborys*
ECOSYSTEMS OF THE MIDATLANTIC AND NORTHEASTERN UNITED STATES. A survey of the significant vegetation types of the Eastern United States, ranging from the Longleaf Pine Forests of Virginia to the Alpine Tundra Formations of New Hampshire. Consideration will also be given to the effects of climatic, geologic and edaphic influences on the development of these ecosystems. Quantitative methods of vegetation sampling and statistical techniques will be

employed. Duration: 3 weeks. Prerequisite: None. Offered: Spring short term on sufficient demand.

BIOLOGY 311. (4) *Turney*
GENETICS. Principles of heredity and variation as developed from the morphological, physiological, and biochemical levels of gene action. Three lectures and one laboratory per week. Prerequisites: Biology 103 and 153. Offered: Fall semester.

BIOLOGY 314. (3) *Shear*
EVOLUTIONARY THEORY. An introduction to evolutionary thinking and the modern synthetic theory. Basic population phenomena, speciation, evolutionary trends, and the origins of life will be discussed as well as the history of evolutionary theory and the influence of its major contributors. Prerequisite: Biology 311. Offered: Spring semester of odd years.

BIOLOGY 320. (3) *Crawford*
HISTOLOGY. A study of normal tissues of the vertebrate organism with emphasis on mammalian histology. Routine preparations of the four basic tissue types will be studied in detail. The primary concern is the description of microscopic structure and organization of tissues and organs. Another concern is the functions of tissues as integral components of organs, for it is mainly from function that structure derives meaning. Emphasis will be placed on the fact that understanding of tissue structures depends on a knowledge of the manner in which they differentiate ontogenetically as well as phylogenetically. This course does not include the preparation of slides. Prerequisite: Biology 103. Offered: Spring short term.

BIOLOGY 321. (5) *Crawford*
DEVELOPMENTAL BIOLOGY. Principles of embryology involving physiological, biochemical, and genetic influences on differentiation of cells and tissues with emphasis on the origin of vertebrate organ systems. Three lectures and two labora-

tories per week. Prerequisites: Biology 103 and 153. Offered: Fall semester.

BIOLOGY 322. (5) *Crawford*
COMPARATIVE VERTEBRATE ANATOMY. Comparative functional morphology and evolution of organs and organ systems in chordate animals. Major emphasis is placed on gross anatomy of the mammal. Studies of vertebrate tissues are included. Three lectures and two laboratories per week. Prerequisite: Biology 321 or consent of instructor. Offered: Spring semester.

BIOLOGY 331. (4) *Turney*
BIOCHEMISTRY-MOLECULAR BIOLOGY. A structural and functional study of the cell with emphasis on the biochemical and ultrastructural aspects of cell metabolism. Laboratory exercises include problems in protein fingerprinting, enzyme kinetics, enzyme isolation, measurement, electrophoresis, ion-exchange chromatography, and spectrophotometry. Three lectures and one laboratory per week. Prerequisites: Biology 103 and 153; Chemistry 201-202. Offered: Fall semester.

BIOLOGY 332. (3) *Turney*
CELL PHYSIOLOGY. A treatment of the major elements of cell physiology including cell growth and division, differentiation, irritability, contractility, active transport and cellular respiration. This course is usually taken in conjunction with Biology 334. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 334. (1) *Turney*
ADVANCED BIOCHEMISTRY. A laboratory course investigating the problems of enzyme purification, intermediary metabolism and protein synthesis. The exercises involve refinements of the techniques learned in Biology 331 with some additional work utilizing manometric techniques, differential centrifugation, and radioactive tracers. Prerequisite: Biology 331. Offered: Spring semester.

BIOLOGY 342. (4) *Gemborys*
PLANT PHYSIOLOGY. A consideration of

the fundamental life processes of plants including photosynthesis, water relations, growth regulators, photoperiodic responses, and mineral nutrition. Primary emphasis placed on laboratory work. Two lectures, two laboratories per week. Prerequisites: Biology 103 and 153; Chemistry 101-102, 151-152. Offered: Spring semester of odd years.

BIOLOGY 376. (4) *Gemborys*
MARINE BIOLOGY AND OCEANOGRAPHY. A study of the physical, chemical and biological characteristics of the world's oceans, shorelines, and estuaries. The laboratory experience is designed to give the student firsthand knowledge of the methods used in studying marine organisms and environments. It will include regular assigned exercises as well as an independent study project. Field trips will be made. Admission by consent of instructor. Prerequisite: Biology 241 or 253. Offered: Spring semester of even years.

BIOLOGY 382. (4) *Shear*
ANIMAL BEHAVIOR. A survey of the major approaches to the study of animal behavior, especially those which emphasize the adaptiveness of behavior and its evolution. Lecture topics will include structure and physiology of nervous systems, orientation and navigation, relations among and between species, reproductive behavior, conflict resolution, and social behavior. Laboratories will consist of self-paced projects involving a wide variety of animal forms. Prerequisite: Biology 103 and 153. Offered: Spring semester of even years.

BIOLOGY 400. (4) *Turney*
GENERAL BIOLOGICAL SCIENCE. An integrated approach to molecular, evolutionary, physiological, anatomical, ecological and homeostatic phenomena of living systems, with some attention to contemporary problems. This course is designed to complete the 8 hour requirement in general biology for all biology majors and, where applicable, for majors in related fields.

Open only to seniors; however, juniors may take the course with the chairman's permission. Prerequisites: Biology 103 and 153. Offered: Spring semester.

BIOLOGY 485. (variable credit) *Staff*
SPECIAL TOPICS. Selected topics in Biology as determined by class interest and the nature of the times. Prerequisite: Instructor's permission. Offered: Either semester.

BIOLOGY 495. (3) *Staff*
INDEPENDENT STUDY. Students with strong laboratory backgrounds can elect to do independent study on a selected topic under the supervision of a staff member. Permission of the department required. Opportunities exist for independent work and study at coastal marine laboratories during the summer months. Interested students should consult with the biology faculty about the program. Prerequisite: Instructor's approval. Offered: On request.

CHEMISTRY

PROFESSORS PORTERFIELD, SMITH
(ON LEAVE 1977-78), **ASSOCIATE PROFESSORS SIPE, THOMPSON; VISITING ASSISTANT PROFESSOR LEIBY; INSTRUCTOR BASS**

The requirements for a major in Chemistry are:

1. All courses from the techniques track and the following courses from the concepts track: 101-102, 201-202, 301-302, and 401. Two additional courses must be selected from the following list: Chemistry 311, 312, 411, 495 (one course of at least three hours); and Biology 331. For the ACS accredited degree three courses from the list above are required; one of the three must be Chemistry 312, and Chemistry 411 is strongly recommended as a second one.
2. Satisfactory completion of Mathematics 101-102, Physics 111-112, and Physics 151-152.

CONCEPTS TRACK

CHEMISTRY 101-102. (3-3) *Porterfield, Sipe, Thompson*
CHEMICAL CONCEPTS. A survey of the

basic concepts of physical chemistry as a foundation for systematic study of descriptive chemistry. Some mathematical facility desirable. Prerequisites: None for 101; 101 prerequisite to 102. Corequisites: Chemistry 151 and 152 corequisite to 101 and 102, respectively. Offered: 101 in the fall semester; 102 in the spring semester.

CHEMISTRY 111. (3) *Sipe*
CHEMICAL CONCEPTS IN A TECHNOLOGICAL SOCIETY. A topical study of the impact of the chemical practices of our technological culture on our environment, with a concurrent examination of the philosophical basis on which scientific judgments can be soundly formed in societal applications. This course is intended for students with primary interests outside the sciences, and will not satisfy prerequisite requirements for any other chemistry course. Prerequisite: None. Corequisite: None. Chemistry 151 laboratory may be taken concurrently or in a later semester if desired. Offered: Every semester.

CHEMISTRY 201-202. (3-3) *Leiby*
ORGANIC CHEMISTRY. An integrated study of the aliphatic and aromatic compounds of carbon with emphasis on reaction mechanisms, stereochemistry, and conformational analysis. Prerequisites: Chemistry 101-102. Corequisites: Chemistry 251-252 or 251-262. Offered: 201 in the fall semester; 202 in the spring semester.

CHEMISTRY 301. (3) *Porterfield, Sipe*
PHYSICAL CHEMISTRY I. Introductory quantum mechanics and simple approximate molecular-orbital calculations, followed by introductory statistical mechanics. Prerequisites: Chemistry 102, Math 102. Corequisite: Physics 111. Registration in Computer Science 221 is recommended. Offered: Fall semester.

CHEMISTRY 302. (3) *Sipe*
PHYSICAL CHEMISTRY II. Thermodynamics, electrochemistry, and kinetics. Recommended for students desiring only

one semester of physical chemistry. Prerequisites: Physics 112, Math 102, or consent of the instructor. Offered: Spring semester.

CHEMISTRY 311. (3) *Leiby*
BIOCHEMISTRY. The following classes of compounds are studied with emphasis upon structure and conformation and with emphasis decreasing in the order given: proteins, nucleic acids, carbohydrates, and lipids. The most important metabolic pathways are studied with respect to reaction mechanisms, dynamics, and energetics. Prerequisites: Chemistry 201-202. Offered: Fall semester.

CHEMISTRY 312. (3) *Porterfield*
ADVANCED INORGANIC CHEMISTRY. Basic theoretical concepts of inorganic chemistry as applied to the principles of inorganic synthesis, and introductory organometallic and bioinorganic topics. Prerequisite: Chemistry 301 or consent of instructor. Corequisite: Chemistry 302. Offered: Spring semester.

CHEMISTRY 401. (3) *Thompson*
CHEMICAL INSTRUMENTATION. Principles of instrumental analysis. Topics studied include: spectroscopic, electrochemical, mass spectrometric, radiochemical, optical, and chromatographic methods of analysis. Prerequisites: Chemistry 302, 362. Offered: Fall semester.

CHEMISTRY 411. (3) *Sipe, Porterfield*
PHYSICAL CHEMISTRY III. Theory of molecular structure determination by dispersive and absorptive applications of electromagnetic radiation. Application of advanced theoretical calculations of molecular electronic structure. Prerequisite: Chemistry 301 (Physical Chemistry I) or consent of the instructors. Offered: Fall semester.

CHEMISTRY 485. (1-3) *Chemistry Staff*
SPECIAL TOPICS. Study of advanced topics of current interest on a tutorial or seminar basis. Topics recently offered include computerized learning machines for analyzing spectra, calculations for

applied quantum chemistry, principles and practice of magnetic resonance spectroscopy, organometallic chemistry, ESR studies of organosilicon compounds, oxydonor complexes of reducing metals, bioinorganic chemistry, and physical chemistry of drug action and interaction. Prerequisite: Consent of the instructor. Offered: On sufficient demand.

CHEMISTRY 495. (Variable credit)
Chemistry Staff
INDEPENDENT STUDY. Prerequisite: Consent of the instructor. Offered: On sufficient demand.

TECHNIQUES TRACK

CHEMISTRY 151-152. (1-1) *Bass, Porterfield*
TECHNIQUES OF CHEMISTRY. A series of four open-ended projects that require independent use of library and laboratory facilities, including quantitative analysis. Breakage deposit: \$12.00. Prerequisites: None for 151. 151 is prerequisite to 152. Corequisites: Chemistry 101 or 111 for 151, Chemistry 102 for 152. Offered: 151 in the fall semester; 152 in the spring semester.

CHEMISTRY 251-252. (1-1) *Leiby*
ANALYTICAL-ORGANIC TECHNIQUES. A series of open-ended, individualized projects involving the synthesis of organic and organometallic compounds and analysis by such techniques as spectroscopy, chromatography, and conventional and potentiometric titration. Breakage deposit: \$15.00. Prerequisites: Chemistry 102, 152. Corequisites: Chemistry 201-202. Offered: 251 in the fall semester; 252 in the spring semester.

CHEMISTRY 262. (1) *Leiby*
SYNTHETIC TECHNIQUES. Individualized projects involving multi-step syntheses of organic compounds by modern methods. The synthetic schemes are adapted from those for similar compounds found in *Organic Syntheses* and the journal literature. Some new compounds are

prepared. Each product is purified by crystallization or reduced pressure distillation and characterized by various spectroscopic and chromatographic techniques. Breakage deposit: \$15.00. This course is required of chemistry majors, recommended for biochemistry-interscience majors, and open to others on a space-available basis. Prerequisites: Chemistry 201, 251. Corequisite: Chemistry 202, 252. Offered: Spring semester.

CHEMISTRY 351-352. (2-2) *Sipe*
PHYSICAL MEASUREMENT TECHNIQUES. A series of open-ended projects involving the accurate determination and interpretation of selected physical and chemical properties. Breakage deposit: \$15.00. Prerequisites: Chemistry 252 or 262 for 351; Chemistry 351 for 352; or consent of the instructor. Offered: 351 in the fall semester; 352 in the spring semester.

CHEMISTRY 451-452. (2-2) *Thompson*
MEASUREMENT TECHNIQUES. A series of open-ended projects involving chemical analysis and structure determination by instrumental methods. Breakage deposit: \$15.00. Prerequisite: Chemistry 352. Corequisite: Chemistry 401. Offered: 451 in the fall semester; 452 in the spring semester.

CLASSICS

**PROFESSOR EMERITUS THOMPSON;
ASSOCIATE PROFESSORS BRINKLEY,
TUCKER; VISITING ASSOCIATE
PROFESSOR MERCKEN**

The requirements for a major in Greek are at least 18 hours in Greek above the elementary level, of which 12 hours must be in courses at the 300 level or above; Philosophy 301; History 301, 302; Fine Arts 201. The requirements for a major in Latin are at least 18 hours in Latin above the elementary level, of which 12 hours must be in courses at the 300 level or above; Philosophy 301; History 301, 302; Fine Arts 201.

A concentration in Greek and Latin will require at least 12 hours in each language, including six hours in one at the 300 level or above; Philosophy 301; Fine Arts 201; History 301, 302.

The requirements for a major in Classical Studies are at least 6 hours of Greek or Latin above the elementary level and 24 hours to be selected from the following: courses in the Greek and Latin languages and in Classical Studies; Philosophy 301; History 301, 302; Fine Arts 201. None of the thirty hours taken to satisfy the requirements for this major may be used in the Humanities portion of the distribution requirement.

GREEK

GREEK 101-102. (0-6) *Brinkley*
ELEMENTARY GREEK. This course advances the student rapidly into the reading of classical and New Testament Greek texts by combining a uniquely ordered study of forms, vocabulary, and syntax with carefully chosen illustrative reading material, which consists almost entirely of authentic passages from ancient texts. Considerable attention is given to developing sound appreciation of Greek cultural values by exhaustive study of significant vocabulary. Emphasis is given to the development of the student's command of English grammar, diction, and vocabulary by comparative and contrastive exercises. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

GREEK 201-202. (0-6) *Brinkley*
INTERMEDIATE GREEK. Reading and analysis of selections from Greek prose and verse, and a continuing study of grammar and vocabulary. Prerequisite, Greek 101-102. Offered: 201 in the Fall semester; 202 in the Spring semester.

GREEK 301. (3) *Brinkley*
THE GREEK NEW TESTAMENT. Passages from the Synoptic Gospels and Acts are read, and a survey of the peculiarities of *koine* Greek is made. Attention will be given to textual problems, especially those which have theological implications. Prerequisites: Greek 201-202. Offered: on sufficient demand.

GREEK 302. (3) *Brinkley*
GREEK DRAMA. Representative plays of Aeschylus, Sophocles, Euripides, or Aristophanes will be read and discussed as dramatic pieces and in their relation to the

origin of tragedy and comedy and the development of the theatre. Prerequisites: Greek 201-202. Offered: On sufficient demand.

GREEK 303-304. (3-3) *Brinkley*
GREEK HISTORIANS. Selections from the major historians will be read, with emphasis on developing the student's capacity to read Greek prose and on his appreciation of the writers' contributions to Western historiography. Some parallel reading in English is required. Prerequisite: Greek 201-202. It is suggested that the student have had or be enrolled in History 301 before taking these courses. Offered: on sufficient demand.

GREEK 305-308. (3 each semester) *Staff*
ADVANCED GREEK. The reading and discussion of selected works of Greek literature, chosen according to the needs of the class. Among authors that may be selected are Homer, Plato, Plutarch, Lucian, and the Athenian orators. Prerequisites: Greek 201-202. Offered: On sufficient demand.

GREEK 495. (1,2, or 3 hours) *Staff*
INDEPENDENT STUDY. Supervised reading and research are available to advanced students.

LATIN

LATIN 101-102. (0-6) *Tucker*
INTRODUCTION TO LATIN. This course is designed for students with no previous experience with Latin. The text is written for adults; the sentences and drill exercises in forms and syntax are based on classical authors. Considerable emphasis is placed on expanding the student's vocabulary and grasp of language structure. Prerequisite: None. Offered: 101 in the fall semester; 102 in the spring semester.

LATIN 201-202. (3-3) *Mercken*
 First Semester: *Ovid*. Selections from *Ovid's Ars Amatoria* will be read, preceded by a review of Latin fundamentals. Prerequisite: Two entrance units of Latin, or Latin 101-102.

Second Semester: *Vergil*. Selections from the *Aeneid*. Prerequisite: Latin 201 or equivalent. Offered: 201 in the fall semester; 202 in the spring semester.

LATIN 203-204. (3-3) *Tucker*
LATIN PROSE. Selections from the works of Latin prose writers will be read, preceded by a review of Latin fundamentals. Among works which may be read are the speeches and letters of Cicero, the historical works of Caesar and Livy, and the letters of Pliny, as well as the writings of Medieval Latin authors. Prerequisites: Two entrance units of Latin, or Latin 101-102. Offered: 203 in the fall semester; 204 in the spring semester.

LATIN 301-302. (3-3) *Mercken*
LATIN LITERATURE OF THE REPUBLIC. Reading matter will be chosen from the comedies of Plautus and Terence, the essays of Cicero, the *De Rerum Natura* of Lucretius, and the poems of Catullus. Prerequisites: Three entrance units in Latin, Latin 201-202, or Latin 203-204. Offered: 301 in the fall semester of odd years; 302 in the spring semester of even years.

LATIN 303-304. (3-3) *Tucker*
LATIN LITERATURE OF THE EMPIRE. Reading matter will be chosen from Livy, Horace, Seneca, Petronius, Martial, Tacitus, and Pliny. Prerequisites: Three entrance units in Latin, Latin 201-202, or Latin 203-204. Offered: 303 in the fall semester of even years; 304 in the spring semester of odd years.

LATIN 401-408. (3 each semester) *Staff*
ADVANCED READINGS IN LATIN LITERATURE. The courses will be devoted to intensive study of individual authors such as Lucretius, Tacitus, Livy, Ovid, Horace, or to literary genres such as Roman satire, elegiac poetry, epistolography, history. Prerequisite: Either Latin 301 or 303, or equivalent. Offered: On sufficient demand.

LATIN 411. (3) *Brinkley*
LATIN COMPOSITION AND GRAMMAR.

Prerequisites: Latin 201-202, 203-204 or equivalent. Offered: On sufficient demand.

LATIN 412. (3) *Thompson*
LATIN PALAEOGRAPHY. Prerequisite: Either Latin 301 or 303, or equivalent. Offered: On sufficient demand.

LATIN 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. Supervised reading and research are available to advanced students. Prerequisite: Instructor's approval. Offered: On request.

CLASSICAL STUDIES

Courses offered under the rubric of Classical Studies require no knowledge of Latin or Greek.

CLASSICAL STUDIES 201. (3) *Thompson*
ENGLISH ETYMOLOGY. A study of English words as derived from the classical languages. The purpose of the course is to broaden the student's vocabulary through a study of the historical development of an important element of the English language. No prior knowledge of Greek or Latin is presumed. Prerequisite: None. Offered: Each semester.

CLASSICAL STUDIES 202. (3) *Brinkley*
CLASSICAL MYTHOLOGY. A comprehensive survey of Greco-Roman mythology, with the aim of providing the student with a working knowledge of a significant element in Western culture and its creative achievements. Readings and lectures cover both the content of the mythology and its linguistic, archaeological, and anthropological significance.

CLASSICAL STUDIES 203. (3) *Tucker*
GREEK LITERATURE IN TRANSLATION. Reading and discussion of major works of classical Greek literature. Literary themes and techniques will be considered, as well as the influence of Greek writings on later literature. No knowledge of Greek is required. Prerequisite: None. Offered: Fall semester.

CLASSICAL STUDIES 204. (3) *Tucker*
LATIN LITERATURE IN TRANSLATION. Reading and discussion of major works of classical Latin literature. Literary themes and techniques will be considered as well as the influence of Latin writings on later literature. No knowledge of Latin is required. Prerequisite: None. Offered: Spring semester.

HISTORY 301. (3) *Brinkley*
GREEK HISTORY. An historical survey of the cultural, political, economic, and social aspects of Greek civilization to the time of the late Roman Empire. This course does not assume a knowledge of Greek and will not satisfy any of the language requirements. It carries credit toward a History major. Prerequisite: None. Offered: Fall semester.

HISTORY 302. (3) *Brinkley*
ROMAN HISTORY. A comprehensive survey of the rise and decline of Rome as a world-state and as the matrix of subsequent Western civilization. Primary emphasis is placed on the social, political, economic, and diplomatic forces in the evolution of Roman supremacy in the Mediterranean. Special attention is given to the development of the Roman Civil Law and the origin of basic Western legal concepts. This course does not assume a knowledge of Latin and will not satisfy any of the language requirements. It carries credit toward a History major. Prerequisite: None. Offered: Spring semester.

LINGUISTICS 301. (3) *Brinkley*
DESCRIPTIVE LINGUISTICS. An introduction to the techniques, findings, and insights of modern linguistics, "the most scientific of the humanities and the most humane of the sciences." Special attention is given to developing analytical appreciation of contemporary American English on which most of the class exercises are based. A general course for all those interested in the nature of language. Prerequisite: Sophomore or higher standing. Offered: On sufficient demand.

LINGUISTICS 302. (3) *Brinkley*
HISTORICAL LINGUISTICS. Thorough study of the comparative method of linguistic reconstruction, and of modern views of the nature of linguistic evolution. Each student is required to do practical, independent work in a language of his competence, which may be English. Prerequisite: Linguistics 301 or English 341. Offered: On sufficient demand.

CLASSICAL STUDIES 485.
 (1, 2, or 3 hours) *Staff*
SPECIAL TOPICS. Selected according to the interests of students and staff. Prerequisite: Demonstration of interest and ability on the part of the student, with approval by the staff. Offered: On sufficient demand.

CLASSICAL STUDIES 495.
 (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. Supervised reading and research are available to qualified students. Prerequisite: Demonstration of interest and ability on the part of the student. Offered: On request.

ECONOMICS

ASSOCIATE PROFESSORS HENDLEY, SPRENG; ASSISTANT PROFESSORS HARRIS, MUSOKE; LECTURERS STERN, CHATTERTON

The requirements for all Economics majors are 27 hours in Economics to include Economics 301 and 303; and Mathematics 103 and 104. Beyond these specific courses, the major has a choice between a concentration in General Economics, taking Economics 401 and 485 (or, in certain cases, 495), or a concentration in Management Economics, taking Economics 321 and 490. Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

ECONOMICS 101. (3) *Staff*
INTRODUCTION TO ECONOMICS. A survey of the basic concepts used to analyze economic questions. Prerequisite: None. Offered: Each semester.

ECONOMICS 103. (3) *Harris*
MONEY AND BANKING. Analysis of the fractional reserve banking system, its place in financial markets, and the American economy. The Federal Reserve System and its relation to the banking system are analyzed. Monetary and fiscal policy are examined in the light of Keynesian and Monetarist monetary theory. Prerequisite: Economics 101. Offered: Each semester.

ECONOMICS 201. (3) *Hendley*
COMPARATIVE ECONOMIC SYSTEMS. An examination of the major economic systems with emphasis on implications for resource allocation, income distribution, and economic growth. Prerequisite: Economics 101. Offered: Occasionally.

ECONOMICS 203. (3) *Musoke*
GENERAL ECONOMIC HISTORY. Study of the origins and spread of modern economic growth in Western Europe and North America, with emphasis on 18th and 19th century experience. Prerequisite: Economics 101. Offered: Spring semester of odd years.

ECONOMICS 204. (3) *Musoke*
TOPICS IN ECONOMIC HISTORY. Selected topics of historical and economic significance are examined using the tools of economics. Prerequisite: Economics 101. Offered: Spring semester of even years.

ECONOMICS 205. (3) *Spreng*
HISTORY OF ECONOMICS. The study of mercantilist, physiocratic, classical, and socialist economics. The objective of the course is to introduce the student to early economists and economic systems. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 206. (3) *Spreng*
DEVELOPMENT OF MODERN ECONOMICS. The study of the development of modern economic theory, beginning with the rise of marginalism in the 1870's. Topics will include marginalism, historical economics, Austrian economics, neo-classical economics, institutional eco-

nomics, and modern economic theory. The objective of the course is to introduce the student to the origins of modern economic theory. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 208. (3) *Hendley*
PUBLIC FINANCE. An analysis of the process of government decision-making as related to resource allocation and of the effects of governmental budgetary decisions, particularly tax decisions, on individual and business choices. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 209. (3) *Hendley*
TOPICS IN POLITICAL ECONOMY. An adaptation and application of fundamental economic concepts to the analysis of problems such as poverty, education, crime, and professional sports. The topics considered vary from year to year. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 210. (3) *Musoke*
ECONOMIC DEVELOPMENT. A study of fact, theory, and policy in underdeveloped economies. Problems of capital formation, population, agriculture, international trade, foreign aid, etc. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 211. (3) *Harris*
LABOR ECONOMICS. In this course the theoretical and institutional organization of the labor market are studied. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 220. (3) *Stern*
CORPORATION FINANCE. The financial organization and management of a business corporation. This course includes a study of methods of obtaining capital, financial policy, mergers, reorganization, and liquidation. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 221. (3) *Spreng*
MANAGEMENT ACCOUNTING AND ANALYSIS. Study of the sources, organi-

zation and uses of data generated by double-entry accounting. Emphasis will be placed on managerial accounting techniques. Prerequisites: Economics 101 and sophomore standing. Offered: Fall semester.

ECONOMICS 222. (3) *Spreng*
NATURE, MANAGEMENT, AND ENVIRONMENT OF BUSINESS. The role of business in society and the functions of business are considered within the framework of the social system. Prerequisites: Economics 101 and sophomore standing. Offered: Spring semester.

ECONOMICS 260. (3) *Musoke*
INTERNATIONAL ECONOMICS. Examination of the basis of international trade, the balance of international payments and adjustment mechanisms. Application of the theory to current problems of international payments and trade. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 301. (3) *Musoke*
MICROECONOMIC THEORY. A study of the theory of consumer behavior, production, and pricing; comparison of resource allocation in competitive and noncompetitive markets. Prerequisite: Economics 101. Offered: Fall semester.

ECONOMICS 303. (3) *Harris*
MACROECONOMIC THEORY. Analysis of theories applied to the problems of income determination, unemployment, and inflation in modern industrial economies. Prerequisite: Economics 101. Offered: Spring semester.

ECONOMICS 306. (3) *Chatterton*
ELEMENTS OF EMPIRICAL ECONOMICS. A study of the application of statistical analysis to economic problems with a review of basic statistical techniques followed by extensive reading of empirical work in economic literature. Prerequisites: Economics 101 and Mathematics 103. Offered: Spring semester of odd years.

ECONOMICS 308. (3) *Chatterton*
MATHEMATICAL ECONOMICS. Expo-

sition of the mathematical structure of economic theories with particular attention to static and comparative static analysis, game theory, and unconstrained and constrained optimization models. Prerequisites: Economics 301 and Mathematics 101. Offered: Spring semester of even years.

ECONOMICS 321. (3) *Spreng*
MANAGERIAL ECONOMICS. Application of microeconomic decision tools to managerial problems of the firm. The class time will be divided between a discussion of tools to be used and application of those tools. Prerequisite: Economics 301. Offered: Fall semester.

ECONOMICS 401. (3) *Harris*
TOPICS IN INTERMEDIATE ECONOMIC THEORY. Applications and extensions of intermediate economic theory, both macro and micro. Prerequisites: Economics 301 and 303. Offered: Fall semester.

ECONOMICS 485. (3) *Hendley*
SPECIAL TOPICS. A seminar designed primarily for senior Economics majors concentrating in General Economics and intended to explore the application of economic analysis to a variety of public-policy issues. Prerequisites: Economics 301 and 401 or permission of the instructor. Offered: Spring semester.

ECONOMICS 490. (3) *Spreng*
SEMINAR IN BUSINESS PROBLEMS. The purpose of this course is to integrate the student's knowledge of the business system. Discussion of problems, independent investigation, and communication of conclusions by the student are emphasized. Prerequisites: Economics 221, 222, and senior standing or permission of the instructor. Offered: Spring semester.

ECONOMICS 495. (Variable credit) *Staff*
INDEPENDENT STUDY. Prerequisites: Economics 101, junior standing, and permission of the department. Offered: On request.

CONCENTRATION IN ECONOMICS WITH MATHEMATICS

The Departments of Economics and Mathematics offer a concentration in Economics with Mathematics for students interested primarily in the quantitative aspects of Economics. The concentration consists of the following courses:

ECONOMICS 101.
ECONOMICS 301, 303.
ECONOMICS 306, 308. Two Elective Courses In Economics.
MATHEMATICS 101-102-103.
MATHEMATICS 201-202.
COMPUTER SCIENCE 221.

With permission of the two departments, a student may substitute within the same discipline for the above courses. A substitution must, however, be consistent with the concentration's objective of a tightly integrated program grounding the student in the mathematical concepts most widely used in Economics, and exploring the areas of Economics best illustrating the application of quantitative techniques.

ENGLISH

PROFESSORS CRAWLEY, SIMPSON; ASSOCIATE PROFESSORS BAGBY, ELMORE, MARTIN; ASSISTANT PROFESSOR SAUNDERS; INSTRUCTOR O'GRADY; ADJUNCT PROFESSOR BUNTING.*

The requirements for a major in English are 30 hours in English courses above the 100 level, including two semesters each of History of English Literature, Shakespeare, and American Literature; a genre course, a period course, and a single-author course other than Shakespeare. Beyond 201-202, only one course at the 200 level may be applied to the major. Majors are required to take at least one course in British history. At least one course in philosophy and at least two semesters in foreign languages beyond the proficiency requirements are recommended. English courses taken at

*On leave, 1977-78.

other institutions and presented for major credit must be approved in writing by the department of English; for current students this approval must be secured in advance, and for transfer and former students it must be secured at entrance.

ENGLISH 105. (3) *Staff*
COMPOSITION AND RHETORIC. The course involves a study of the principles of composition in English and regular practice in writing with attention to style, grammar, syntax, punctuation, and spelling. Prerequisite: None. Offered: Each semester. (In the fall semester of 1978, English 105 will be superseded by Rhetoric 101-102.)

ENGLISH 201-202. (3-3) *Staff*
THE HISTORY OF ENGLISH LITERATURE. The first semester surveys major authors, works, and literary types from the beginnings through the eighteenth century, including Chaucer, Shakespeare, and Milton; the second semester continues the history to the present day, including Wordsworth, Tennyson, and Eliot. Appropriate critical approaches other than the historical are employed. Prerequisite: None. Offered: 201 in the fall semester; 202 in the spring semester.

ENGLISH 203. (3) *Crawley*
EPIC WRITING IN ENGLISH AND AMERICAN LITERATURE. This study of the epic tradition in English and American literature begins with backward glances at *Beowulf* and *The Faerie Queene* and then proceeds to a careful consideration of Shakespeare's history plays (*Richard II*; *Henry IV, I and II*; *Henry V*; *Richard III*), Milton's *Paradise Lost* and *Paradise Regained* (selected passages), Fielding's *Tom Jones*, Pope's *Rape of the Lock*, Melville's *Moby-Dick*, and Whitman's *Leaves of Grass* (selected passages). Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 204. (3) *Bagby*
AMERICAN NATURE WRITING. This course is a study of selected American works which deal with the relationship between man and the natural world. It is an examination of American attitudes

toward the uses of nature—as a source of delight, of ethical wisdom, and of revelation in some larger sense—and the methods by which the individual can prepare himself to receive such benefits. Authors to be considered include Cooper, Emerson, Whitman, Thoreau, Frost, Hemingway and Faulkner. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 205. (3) *Martin*
UTOPIAN LITERATURE. This study of representative accounts of ideal societies and the perfection of man begins with Plato's *Republic* and More's *Utopia* as bases; other readings include works from the classical era to the present, with concentration on American and British literature of the nineteenth and twentieth centuries. Authors to be considered include Howells, Butler, Bellamy, Huxley, and Orwell. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 206. (3) *Martin*
LITERATURE AND YOUTH. This is a study of the *Bildungsroman*, a type of novel recounting the youth and young manhood of a character attempting to learn the nature of the world, discover its meaning and pattern, and acquire a philosophy of life. Readings include works by Joyce, Wolfe, Ellison, Hemingway, Updike, Conrad, and others. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 207. (3) *Staff*
INTRODUCTION TO DRAMA. This course is designed for students interested in understanding plays in the context of an actual performance. Previous theatrical experience is therefore very desirable. Plays to be read will be drawn from various periods and types. Scenes and perhaps even entire plays will be performed, with instruction in the basic elements of play production, but emphasis will fall on interpretation rather than mechanics or technique. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 209. (3) *Simpson*
EUROPEAN SHORT NOVEL IN TRANS-
LATION. Readings are drawn from such
 major European novelists of the nineteenth
 and twentieth centuries as Balzac, Camus,
 Dostoevsky, Flaubert, Gogol, Hesse, Kafka,
 Kazantzakis, Lagerkvist, Thomas Mann,
 Moravia, Sartre, Solzhenitsyn, and Tolstoy.
 Prerequisite: None. Offered: Fall semester
 of even years.

ENGLISH 210. (3) *Bagby*
INTRODUCTION TO AFRO-AMERICAN
LITERATURE. The works of major black
 American authors are treated historically
 and critically, with the aim of under-
 standing what "the American experience"
 has meant to Afro-Americans. Poetry
 (from Dunbar to Don L. Lee) and fiction
 (from Toomer to Baldwin) are the main
 concerns, but some attention is also given
 to non-fiction prose (from Douglass to
 Malcolm X). Prerequisite: None. Offered:
 Spring semester of even years.

ENGLISH 212. (3) *O'Grady*
THE ART OF THE ESSAY. This is a
 workshop in the craft of modern essay
 writing. Students will examine classic and
 experimental essays for technique and
 content. Emphasis will be placed on
 individual style, but imitation of selected
 works will be encouraged. Prerequisite:
 English 105 or Rhetoric 101-102 and
 consent of the instructor. Offered: Spring
 1978 and intermittently thereafter.

ENGLISH 331. (3) *Crawley*
AMERICAN LITERATURE TO 1865.
 This is a general study of American
 literature from colonial times through the
 Civil War. While attention is given to the
 milieu, continuity, and development of our
 literature, the emphasis is upon major
 figures: Poe, Hawthorne, Melville,
 Emerson, and Thoreau. Appropriate criti-
 cal approaches other than the historical are
 utilized in considering the key works of
 these authors. Prerequisite: None. Offered:
 Fall semester.

ENGLISH 332. (3) *Crawley*
AMERICAN LITERATURE SINCE 1865.
 This is a continuation of English 331,
 covering the period from the Civil War to
 the present. Again, attention is given to the
 milieu, continuity, and development of our
 literature, with emphasis upon the fol-
 lowing major figures: Whitman, Dickinson,
 Twain, Henry James, Crane, Dreiser, Frost,
 Eliot, and Faulkner. Appropriate critical
 approaches other than the historical are
 utilized in considering the key works of
 these authors. Prerequisite: None. Offered:
 Spring semester.

ENGLISH 341. (3) *Brinkley*
HISTORY OF THE ENGLISH LAN-
GUAGE. This is a general introduction to
 the English language as modern linguistics
 defines and describes the evolutionary
 forces that have determined its sound- and
 form-systems, syntax, and vocabulary.
 Considerable attention is paid to identi-
 fying the diagnostic features of the various
 phases in the development of the language,
 to the social and other non-linguistic
 factors in language development, and to
 the peculiar history of American English
 and its dialects. Prerequisite: None, but
 English 201-202 is strongly recommended.
 Offered: Fall semester of odd years.

SEE ALSO Classical Studies 201, English
 Etymology; and Linguistics 301 and 302,
 Descriptive and Historical Linguistics.

ENGLISH 352. (3) *Martin*
MEDIEVAL ENGLISH LITERATURE.
 This is a study of Old English and Middle
 English literature (exclusive of Chaucer),
 surveying major authors and works, impor-
 tant literary genres, and characteristic
 human values of the English middle ages.
 Readings will be in modern translation;
 knowledge of Old English and Middle
 English languages is not required. Prerequi-
 site: None. Offered: Spring semester of
 odd years.

ENGLISH 356. (3) *Crawley*
METAPHYSICAL AND CAVALIER POETS. This is a survey and evaluation of the two major schools of poetry in England from about 1590 to about 1650, with emphasis on the founders of each, Donne and Jonson. Major representatives to be read include Herbert, Vaughan, Herrick, and Marvell. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 361. (3) *Bagby*
THE AUGUSTAN AGE. This course is a critical study of the major writers of the eighteenth century, particularly Pope and Swift, and of the central imaginative concerns of the transition from the Renaissance world view to the Romantic and post-Romantic era. There is a concentration on satire, but with some attention also to drama, the novel, lyric poetry, and miscellaneous prose. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 363. (3) *Simpson*
ENGLISH NOVEL. The English novel is studied from its inception with Defoe and Richardson in the eighteenth century to the end of the nineteenth century. Major novelists to be read include Austen, the Bronte sisters, Dickens, Thackeray, and Hardy. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 365. (3) *Bagby*
THE ENGLISH ROMANTICS. The six major Romantics — Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats — are read critically. Primary emphasis is on the poetic vision of each writer, but with some attention also to the continuing struggle of "the Romantic imagination." Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 367. (3) *Saunders*
VICTORIAN POETRY. This course will concentrate on the major Victorian poets — Browning, Tennyson, and Arnold — and sample the minor ones. It will examine the prose writings of Carlyle, Darwin, Mill, and Arnold; and it will peek into the prose fiction of at least one significant Victorian

novelist — probably Dickens. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 372. (3) *Simpson*
MODERN BRITISH AND AMERICAN NOVEL. Major twentieth-century novelists in English are read, including Conrad, Joyce, D. H. Lawrence, Graham Greene, Hemingway, Faulkner, and Steinbeck. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 374. (3) *Bagby*
MODERN BRITISH AND AMERICAN POETRY. This is a critical study of major poets of the twentieth century, such as Yeats, Pound, Eliot, Frost, Williams, Stevens, and Hughes; it is intended less as a historical overview than as a close examination of the poetic worlds of the individual writers. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 376. (3) *Simpson*
MODERN DRAMA. American, British, and European plays since 1880 are read. Playwrights may include Ibsen, Strindberg, Chekhov, Shaw, O'Neill, Pirandello, Garcia Lorca, Brecht, Tennessee Williams, and Arthur Miller. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 381. (3) *Martin*
ENGLISH DRAMA. This is a survey of English drama, exclusive of Shakespeare. The nature and origins of drama as a literary genre are studied, with attention to the characteristics of tragedy, comedy, and other types. Readings include representative plays from the medieval, Renaissance, Restoration, neoclassical, Romantic, and Victorian periods. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 384. (3) *Simpson*
THE SHORT STORY. Readings are drawn from American, British, and European short stories, and from criticism and the theory of fiction. Authors might include Poe, Hawthorne, James, Twain, O. Henry, Lardner, Hemingway, and Faulkner; R. L.

Stevenson, Saki, Maugham, Mansfield, D. H. Lawrence, and Graham Greene; Maupassant, Chekhov, Pushkin, Balzac, Tolstoy, Kafka, and Thomas Mann. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 391. (3) *Martin*
LITERATURE OF WAR. Major literary works concerning war are studied, with special attention to the ways in which war has occasioned great literature and to such recurring themes as suffering and heroism. Reading is concentrated in works of the nineteenth and twentieth centuries, but includes works of ancient, medieval, and Renaissance periods. Emphasis is on novels of Crane, Hemingway, Mailer, Greene, Heller, Vonnegut. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 400. (3) *Martin*
CHAUCEER. The Canterbury Tales, Troilus and Criseyde, and other main poems of Chaucer are studied. Attention is given to the literary and cultural background of Chaucer's works. Most readings are in Middle English, but prior knowledge of the Middle English language is not required. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 402. (3) *Crawley*
SPENSER. Most of Spenser's poetry is read, with emphasis upon *The Shepheardes Calendar* and *The Faerie Queene*. A careful study is made of epic tradition and of the milieu to which *The Faerie Queene* belongs. Prerequisite: None. Offered: Spring semester of even years.

ENGLISH 403-404. (3-3) *Simpson, Crawley*
SHAKESPEARE. The early comedies, histories, and tragedies, the Sonnets *Venus and Adonis* and *The Rape of Lucrece* are treated in first semester. The later histories, the "problem plays," the great tragedies, and the romances are read in second semester. Both courses stress the development of Shakespeare as a literary artist. Prerequisite: None. Offered: 403 in the fall semester; 404 in the spring semester.

ENGLISH 407. (3) *Crawley*
MILTON. This is a study of all of Milton's poetry, with emphasis upon *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes* as a trilogy. Milton's life and his prose are considered insofar as they contribute to an understanding of his thought and poetic achievement. Prerequisite: None. Offered: Fall semester of even years.

ENGLISH 411. (3) *Martin*
HEMINGWAY. The major novels, stories, and essays of Ernest Hemingway are read and critically evaluated. The relationship between Hemingway's personal life and the style, subject matter, and heroic code of his fiction is central, but emphasis is on the fiction, not the life. Prerequisite: None. Offered: Fall semester of odd years.

ENGLISH 414. (3) *Simpson*
FAULKNER SEMINAR. An early novel, the four great novels of his "second period," several significant short stories, and a number of articles and poems are among the readings from Faulkner's work intended to display his diverse talents, multiple themes, and innovative techniques. Prerequisite: Consent of instructor. Offered: Spring semester of odd years.

ENGLISH 420. (3) *Crawley*
LITERARY CRITICISM. This is a study of critical theories from Aristotle to the present, especially of modern trends in criticism, and an introduction to the practice of critical techniques. An attempt is made to arrive at a reasonably comprehensive and synthesizing view of our literary heritage, both English and American. Prerequisite: None. Offered: Spring semester of odd years.

ENGLISH 431. (3) *O'Grady*
INTRODUCTORY CREATIVE WRITING. This is a workshop in the craft of writing poetry and short fiction. The general approach will be to examine selected short works as models and present copies of student writing to the class for discussion and criticism. Prerequisite: Consent of the instructor. Offered: Fall semester.

ENGLISH 432. (3) *O'Grady*
ADVANCED CREATIVE WRITING. This is a continuation of English 431 with greater emphasis placed on developing an individual style in a specific genre. This workshop will also focus on writing poetry and short fiction. Prerequisite: Consent of the instructor. Offered: Spring semester.

ENGLISH 485. (1, 2, or 3 hours) *Staff*
SPECIAL TOPICS. Studies in an author or group of writers, a genre, or a literary period. Prerequisite: Consent of instructor. Offered: Either semester.

ENGLISH 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. Readings or research under the supervision of a member of the English department. No student may receive credit for more than six hours of independent work. Prerequisite: Consent of instructor. Offered: On request.

FINE ARTS

FINE ARTS 201-202. (3-3) *Thompson*
THE HISTORY OF THE FINE ARTS. This course is designed to promote the enjoyment of the fine arts — painting, architecture, and sculpture. A knowledge of ancient, medieval, and modern history and of ancient and modern languages is useful as background information but is not a requirement. 202 includes a Spring trip to the Washington galleries. Not open to freshmen. Prerequisite: None. Offered: 201 in the Fall semester; 202 in the Spring semester.

FINE ARTS 203-204. (3-3) *Burnham*
INTRODUCTION TO MUSIC LITERATURE. Primarily a listening course. The aim is an increased familiarity with the world's great music, the major musical forms, and the outstanding composers. No special musical knowledge or ability is required. Open to upperclassmen. Prerequisite: None, except that the first semester or equivalent is required for entry into the

second. Offered: 203 in the fall; 204 in the spring semester.

FINE ARTS 206. (3) *Thompson*
WESTERN ART OF THE 19TH AND 20TH CENTURIES. The painting, sculpture, and architecture of Europe and the Americas in the modern age. Prerequisite: Fine Arts 202 or equivalent. Offered: On sufficient demand.

FINE ARTS 495. (1, 2, 3) *Thompson*
INDEPENDENT STUDY. Offered for students with an interest in pursuing a limited field in detail. Prerequisite: Fine Arts 201 or 202. Offered: On request.

GOVERNMENT AND FOREIGN AFFAIRS

PROFESSORS HOLLY, HUBARD; ASSISTANT PROFESSORS GOLDBERG, MARION

The requirements for a major in Government and Foreign Affairs are as follows:

A minimum of thirty semester hours in Government and Foreign Affairs, fifteen to include Government 201-202; 311 or 312; any one of 211, 212, 213, or 214; and Foreign Affairs 205 or 206; plus six semester hours in American or European history. Students who expect to enter graduate school in Political Science are urged to include economics and philosophy in their undergraduate work. As a general policy, the Department of Government strongly recommends that all majors consult frequently with their faculty adviser.

Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

Students desiring to fulfill their distribution requirements in the social sciences by taking courses in Government and Foreign Affairs are advised to select from the following: Government 201, 202, 211, 212, 213, 214, 311, 312, 401, 402.

GOVERNMENT 201. (3) *Goldberg, Marion*
THE AMERICAN SYSTEM OF

GOVERNMENT. This is a study of the theory and practice of national, state, and local government in the United States. The constitutional basis of the federal system, the protection of civil liberties and citizenship, and the role of the people in politics are studied with frequent references to leading Supreme Court decisions and other primary sources. Then follows an examination of the structure of the national government and its broadening area of functions and services. The course concludes with a consideration of state and local government. Prerequisite: None. Offered: Fall and Spring semesters.

GOVERNMENT 202. (3) *Goldberg, Marion*
PERENNIAL ISSUES AND PROBLEMS OF THE AMERICAN REGIME. This course examines the enduring problems and issues which reflect and illuminate the distinctive character of the American regime. Among the central topics to be considered are the principles of freedom and equality, federalism, ethics and American politics, representation and the effects of the commercial spirit on the regime. No prerequisites. Offered: Fall semester.

GOVERNMENT 211. (3) *Goldberg*
CLASSICAL POLITICAL PHILOSOPHY. This course is an examination of Plato and Aristotle and of the classical tradition of political philosophy up to the Middle Ages. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Fall semester of odd years.

GOVERNMENT 212. (3) *Goldberg*
EARLY MODERN POLITICAL PHILOSOPHY. This course is an examination of Machiavelli, Hobbes, Locke, and Rousseau. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Spring semester of even years.

GOVERNMENT 213. (3) *Goldberg*
MODERN POLITICAL PHILOSOPHY. This course is an examination of the

political philosophy in the Modern period. Emphasis is placed on Burke, Hegel, Mill, Marx, and Nietzsche. The emphasis is on close reading and critical interpretation of selected texts. Prerequisite: None. Offered: Fall semester of even years.

GOVERNMENT 214. (3) *Goldberg*
AMERICAN POLITICAL THOUGHT. A survey of American political ideas and theories from the 17th century to the present, with special emphasis given to the Founding Period. Attention will be given to the writings of such thinkers as Thomas Jefferson, The Federalists, John Marshall, John C. Calhoun, Abraham Lincoln, Frederick Douglass, Oliver Wendell Holmes, Jr., Franklin Delano Roosevelt, and Felix Frankfurter. Prerequisite: None. Offered: Spring semester of odd years.

GOVERNMENT 215. (3) *Marion*
INTRODUCTION TO AMERICAN PUBLIC ADMINISTRATION. This course surveys selected themes pertaining to the principles and processes of American public administration. Topics that will be examined include the history of American public administration; the role of administrative officials in the formulation and execution of public policy; accountability and responsibility in the public sector; the politics of public budgeting; and, administrative discretion and the rule of law. In short, the objective of this course is to introduce the student to the spirit and form of public administration in the American democratic republic. Offered: Fall semester.

GOVERNMENT 311-312. (3-3) *Holly*
GOVERNMENT, POLITICS AND FOREIGN POLICIES OF THE MAJOR POWERS. Government 311 includes a survey of the leading European political systems, their internal structure and development and their external role in the international system. Particular emphasis is placed on Great Britain, France, and West Germany. The United States is used as a basis of reference. Government 312 is devoted principally to the study of the

major communist regimes, with emphasis on the Soviet Union and Communist China in their internal and external aspects. To the extent that time permits, the remainder of the course will consider Japan and India. Prerequisite: Government 201 or 202. Offered: 311 in Fall semester of even years; 312 in Spring semester of even years.

GOVERNMENT 315. (3) *Goldberg*
THE PRESIDENCY. This is an examination of one of the most powerful offices in the world. Attention will be given to the creation of the American presidency; its historical development; its relations with the Legislature and Judiciary; and an evaluation of its compatibility with democracy. Prerequisite: Government 201-202. Offered: Fall semester.

GOVERNMENT 316. (3) *Goldberg*
THE AMERICAN LEGISLATURE. This is an examination of the American Congress. Attention will be given to the principles which informed its creation, such as representation and bicameralism, to the legislature's relations with the other two branches of government, and to the contemporary workings of both houses of Congress. Prerequisite: None. Open to juniors and seniors only. Offered: Spring semester.

GOVERNMENT 401-402. (3-3) *Hubard, Marion*
AMERICAN CONSTITUTIONAL LAW. This course examines the meaning of the American Constitution and its development through judicial interpretation. The first semester considers the nature of the judicial process, the extent of national power, and the place of the states in the federal system. The second semester examines civil rights and liberties as protected by the original Constitution, the Bill of Rights, and the Fourteenth Amendment. Prerequisite: Government 201. Offered: 401 in the Fall semester; 402 in the Spring semester.

GOVERNMENT 403-404 (0-6) *Hubard*
INTRODUCTORY SURVEY OF LAW. This course is designed to give students (1)

an appreciation of the role of law in modern society, (2) an insight into the increasing role of government in the economy, and (3) an understanding of certain principles of law which underlie our free economy and serve as guides to business. Prerequisite: Government 201 or Economics 101. Offered: 403 in the Fall semester; 404 in the Spring semester.

GOVERNMENT 406 (3) *Marion*
PUBLIC POLICY. This course is an examination of the formulation and implementation of public policy. Attention will be given to the presuppositions underlying public policy formulation as well as the relationship of public policy to the fundamental principles of the regime. Various contemporary issues confronting the government will be used to illustrate how policy issues are framed, evaluated, and implemented. Prerequisite: Government 201. Offered: Spring semester.

FOREIGN AFFAIRS 205-206 (3-3) *Holly*
INTERNATIONAL RELATIONS. The first semester: a study of various concepts and theories of international relations and a survey of governmental structure for decision-making in foreign affairs. The second semester: a survey of various functional international problems and of the international relations of various regions, including Latin America, Western Europe, the Communist bloc, East Asia, and the Middle East. Prerequisite: None. Offered: 205 in the Fall semester; 206 in the Spring semester.

FOREIGN AFFAIRS 307 (3) *Holly*
THE FAR EAST IN WORLD AFFAIRS. An area study of the Far East including the principal historical, linguistic, cultural, economic, sociological, and strategic factors which have influenced its development and role in the international community. Prerequisite: None. Not open to freshmen. Offered: Fall semester of odd years.

FOREIGN AFFAIRS 310 (3) *Holly*
AMERICAN FOREIGN POLICY. An anal-

ysis of the national interest, national objectives, and role of the United States in the international community. Included is a study of the decision-making process, the role of the Executive and Legislative branches in the formulation and implementation of foreign policy, and the diplomacy of the United States. Prerequisite: Government 201-202; or Foreign Affairs 205-206; or permission of instructor. Offered: Spring semester of odd years.

FOREIGN AFFAIRS 405 (3) *Holly*
INTERNATIONAL LAW AND ORGANIZATION. A study of the legal and organizational structure of the international system and of the processes and forms of international order. Prerequisite: Foreign Affairs 205-206. Offered: Fall Semester.

FOREIGN AFFAIRS 410 (3) *Holly*
SEMINAR IN INTERNATIONAL RELATIONS. An intensive examination of critical problem areas. One phase of the seminar is normally devoted to an exercise in simulation. Prerequisite: Foreign Affairs 205-206, 308, 405 and Government 201-202, 311-312, or approval of instructor. Offered: Spring semester.

HISTORY

**PROFESSOR BLISS; ASSOCIATE
PROFESSORS HEINEMANN, LAINE,
SIMMS; ASSISTANT PROFESSOR FITCH**

The requirements for a major in History are 33 hours in history courses, including History 101-102 and 500. Of the remaining 24 hours, 9 must be in the field of United States history and 9 in any field outside United States history. In addition, history majors must take any one course (3 hours) in each of the fields of Political Science, Economics, and Philosophy.

All 300 and 400 level courses are open only to juniors and seniors or with the consent of the instructor.

Students are encouraged to develop individualized majors in consultation with a member of the History Department. Such a major would give a student a thorough foundation in history while offering him the opportunity to pursue topics of interest in related disciplines.

HISTORY 101-102. (3-3) *Laine, Simms*
WESTERN CIVILIZATION. The study of Western Civilization from the Renaissance and Reformation to the present century, with emphasis on those movements and institutions which have determined the form of the contemporary Western World. History majors must take this course no later than their junior year. It is a natural sequel to Western Man 101-102. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

HISTORY 111-112. (3-3) *Bliss, Fitch*
UNITED STATES. The first semester is confined to the period from the establishment of the colonies to the close of the Civil War, with emphasis on the period following 1763, especially the years 1830-1860. The second semester begins with Reconstruction and goes through World War II with emphasis on the rise of progressivism and the New Deal. If time permits, developments in the post-war period will be considered. Prerequisite: None. Offered: 111 in the Fall semester; 112 in the Spring semester.

HISTORY 113. (3) *Heinemann*
FRESHMAN SEMINAR IN AMERICAN HISTORY. A seminar investigating a selected topic in American history, utilizing readings, student papers, and class discussions. Open to freshmen only. Prerequisite: None. Offered: Fall semester.

HISTORY 201-202. (3-3) *Laine*
ENGLAND AND THE BRITISH EMPIRE. The origins and growth of English institutions and their spread to other parts of the world. Particular attention is devoted to the English contribution in government and law, to Britain's relations with the rest of the world, and to the rise and decline of her empire. The second semester begins with the Restoration in 1660. Prerequisite: None. Offered: 201 in the Fall semester; 202 in the Spring semester.

HISTORY 203-204. (3-3) *Simms*
RUSSIAN HISTORY. The first semester covers the period from the founding of

Kievan Russia in the ninth century to the end of Nicholas I's reign in 1855. The second semester carries the story to the present. Prerequisite: Open only to juniors and seniors, or permission of the instructor. Offered: 203 in the Fall semester; 204 in the Spring semester.

HISTORY 205-206. (3-3) *Laine*
THE FAR EAST. The impact of the West on East Asia and the resulting response of Asia to the Western invasion. Special emphasis is given to China — the influence of traditional Chinese civilization on surrounding countries, the growth of nationalism in China, the Japanese invasion of China, and the rise to power of the Chinese Communists. Prerequisite: None. Offered: 205 in the Fall semester; 206 in the Spring semester.

HISTORY 211. (3) *Bliss*
COLONIAL AMERICA. After a consideration of the motives of English colonization and the actual establishment of the colonies, particular attention is given to the factors shaping the economic, social, and political institutions of colonial America, and to the origins of the Revolution. Prerequisite: None. Offered: Fall semester.

HISTORY 212. (3) *Fitch*
THE AGE OF THE AMERICAN REVOLUTION, 1763-1815. A survey which examines the processes which led to the creation of the American Republic. Emphasis is given to the causes of the Revolution and the emergence of American nationalism, the Confederation era, the creation of the Constitution, and the early years of the Republic. Prerequisite: None. Offered: Spring semester.

HISTORY 213-214. (3-3) *Heinemann*
CIVIL WAR AND RECONSTRUCTION. The United States from the War of 1812 to the Compromise of 1877. The first semester studies the origins of the Civil War, emphasizing the themes of nationalism and sectionalism, slavery, abolition, and the breakdown of the political system. The second semester investigates the

waging of war, with some attention given to military events, and the efforts to restore the Union. Prerequisite: None. Offered: 213 in the Fall semester; 214 in the Spring semester.

HISTORY 215-216. (3-3) *Heinemann*
MODERN AMERICA. The United States from the end of Reconstruction to the present. The first semester (1877-1916) covers the development of America's industrial revolution, its impact on American life, and the responses of Populist and Progressive reformers to the new order. The themes of domestic reform and foreign involvement dominate the second semester, with emphasis on the Twenties, the New Deal, and the Cold War. Prerequisite: None. Offered: 215 in the Fall semester; 216 in the Spring semester.

HISTORY 280. (3) *Heinemann*
CIVIL WAR FIELD TRIP. A study of the tactics and strategy adopted and the influence of terrain in the eastern theater of the Civil War, with special emphasis on the life of the ordinary soldier as well as the characters of the prominent generals. Following some preliminary reading and classroom work, the class will take a ten day tour of the battlefields in this area, camping out where possible. Prerequisite: None. Offered: Spring short term on sufficient demand.

HISTORY 301. (3) *See Classical Studies.*

HISTORY 302. (3) *See Classical Studies.*

HISTORY 304. (3) *Bliss*
MEDIEVAL CIVILIZATION. From the decline of the Roman Empire to the beginnings of the Modern Age. Emphasis is placed on the rise of feudal institutions, the rise of Christianity and the medieval church, the conflict between papal and secular governments, and the beginnings of nationality. Prerequisite: None. Offered: Spring semester.

HISTORY 305-306. (3-3) *Bliss*
THE TWENTIETH CENTURY WORLD.

The first semester is a study of the international scene between 1918 and 1945, with emphasis on conditions leading to the outbreak of World War II. The second semester is essentially concerned with the origins of tensions between East and West blocs, with particular emphasis on developments in the Near East, Africa, and Asia. Prerequisite for 305: None. Prerequisite for 306: History 305. Offered: 305 in the Fall semester; 306 in the Spring semester.

HISTORY 313. (3) *Fitch*
UNITED STATES DIPLOMATIC HISTORY. A survey of America's role in foreign affairs from the formation of the republic to the contemporary period. Emphasis will be given to the nature of American interests and the interplay between ideals and self-interests as America experienced the transition from a small power to great power status. Prerequisite: None. Offered: Fall semester.

HISTORY 315-316. (3-3) *Fitch*
AMERICAN INTELLECTUAL HISTORY. This course provides an intensive examination of ideas in America from the colonial era to the present, dividing around the mid-nineteenth century. Emphasis is given to the development of major patterns of thought in America and the impact of these ideas upon institutions and values. Specific topics will be chosen to illustrate the particular configuration of political, social, economic, religious, and philosophical movements in America. Prerequisite: None. Offered: 315 in the Fall semester; 316 in the Spring semester.

HISTORY 317. (3) *Heinemann*
THE AMERICAN SOUTH. A study of the unique features of the Southern past which have distinguished the region from the rest of the nation. Emphasis is given economic development, the role of race, the role of myth in the making of history, and political leadership. Prerequisite: Offered: Spring semester of even years.

HISTORY 318. (3) *Heinemann*
BLACK AMERICA. A study of the Negro's contribution to American history and culture, both individually and collectively. Emphasis is given to the institutions of slavery and segregation, black leadership, and the black protest movement. Prerequisite: None. Offered: Spring semester of odd years.

HISTORY 406. (3) *Simms*
STUDIES IN MODERN EUROPEAN HISTORY. This course will deal with special topics in Modern European History such as War and Revolution, utilizing outside readings, student papers, and class discussion. Permission of instructor required. Offered: Spring semester.

HISTORY 407. (3) *Laine*
TUDOR AND STUART BRITAIN. An examination of the rulers and major persons from 1485 to 1714 with emphasis on the establishment of the strong Tudor monarchy and the eventual eclipse of the Stuart monarchy by the social and political groups which came to dominate Parliament. Due consideration is given to the intellectual, religious, economic, and social changes which produced the constitutional development. Prerequisites: History 201-202 or permission of instructor. Offered: Spring semester.

HISTORY 408. (3) *Laine*
THE AGE OF HUMANISM AND REFORMATION. A study of the decline of characteristic features of medieval civilization and the rise of modern European institutions, with particular attention to intellectual movements from Dante to Erasmus. Emphasis is given to the origin of Luther's revolt, the course of the Reformation in its different forms, and the development of the Counter-Reformation. Prerequisites: Open to seniors; juniors with permission of instructor. Offered: Fall semester of odd years.

HISTORY 412. (3) *Heinemann*
STUDIES IN TWENTIETH CENTURY AMERICA. A seminar investigating se-

lected topics in Twentieth Century American life and politics, utilizing readings, student papers, and class discussions. Open to juniors and seniors. Prerequisite: None. Offered: Spring semester.

HISTORY 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. Supervised reading and research in selected topics. Open to juniors and seniors. Prerequisite: B average in History courses.

HISTORY 500. (3) *Staff*
SENIOR THESIS. All history majors will be required to write in either term of their senior year a thesis. An exercise in research and advanced composition, the thesis will investigate in detail some historical topic of interest to the student. The student will work under the guidance of a member of the History Department in selecting, researching, and writing his essay. Prerequisite: None. Offered: Each semester.

HUMANITIES

FACULTY OF THE DEPARTMENTS OF CLASSICS, ENGLISH, FINE ARTS, HISTORY, MODERN LANGUAGES, AND PHILOSOPHY

The requirement for the Humanities major, including the distribution requirement in the Humanities division and the foreign language proficiency requirement, is 60 semester hours' work, as follows:

- | | |
|--------------------------------|-------------------|
| a) English | 12 semester hours |
| 200 level and above | |
| b) Foreign Languages | 18 semester hours |
| 200 level and above | |
| in two languages, | |
| one ancient, one modern | |
| c) Philosophy 301-302 | 6 semester hours |
| d) Fine Arts 201-202 | 6 semester hours |
| or 203-204 | 9 semester hours |
| e) History | |
| Ancient, 3 semester hours | |
| Medieval, 3 semester hours | |
| Additional, 3 semester hours | |
| f) Advanced English, | 3 semester hours |
| Foreign Language, | |
| Philosophy, or thesis | |
| g) Electives in the Humanities | 6 semester hours |

INTERSCIENCE

FACULTY OF THE DEPARTMENTS OF BIOLOGY, CHEMISTRY, MATHE- MATICS, AND PHYSICS

Students may satisfy the requirements for the Interscience Major as well as the Natural Science portion of the distribution requirements by following any one of the several courses of study specified below.

Biochemistry

BIOLOGY: 103-153 (General and Laboratory), 220 (Microbiology), 311 (Genetics), 331 (Biochemistry), 332 (Cell Physiology); either 334 (Advanced Biochemistry) or 222 (Morphogenesis) or 322 (Comparative Vertebrate) or 321 (Developmental) or 342 (Plant Physiology). Total: 24-25 hours.

CHEMISTRY: 101-102-151-152 (Concepts and Laboratory), 201-202-251-252 (Organic), 302 (Physical Chemistry II), 311 (Biochemistry). Total: 22 hours.

OTHER: Physics 111-112-151-152 (General and Laboratory); Mathematics 101 (Introductory Calculus). Total: 12 hours.

Biophysics

BIOLOGY: 103-153 (General and Laboratory), 311 (Genetics), 331 (Biochemistry), 332 (Cell Physiology), either 222 (Morphogenesis) or 220 (Microbiology) or 342 (Plant Physiology). Total: 20-21 hours.

PHYSICS: 111-112-151-152 (General Physics and Laboratory), 215-216-261-262 (Electronic Instrumentation), 213 (Radiation Physics), 311 (Biophysics), 304 (Optics). Total: 24 hours.

OTHER: Chemistry 101-102-151-152 (Concepts and Laboratory); either Chemistry 201-251 (Organic) or Mathematics 101 (Introductory Calculus). Total: 12 hours.

Chemical Physics

CHEMISTRY: 101-102-151-152 (Concepts and Laboratory), 301-302-351-352 (Physical Chemistry and Laboratory), 411 (Physical Chemistry III). Total: 21 hours.

PHYSICS: 111-112-151-152 (General and Laboratory), 201 (Mechanics); either 202 (Electricity and Magnetism) or 215-261 (Electronics); 216-262 (Electronic Instrumentation); either 211 (Computer-based Physics) or 303 (Thermodynamics); 312 (Crystallography). Total: 23 hours.

OTHER: Mathematics 101 (Analysis I), Mathematics 102 (Analysis II), and Computer Science 221 (Introduction to Computing). Total: 11 hours.

Substitutions in the above courses of study may be made with the approval of both department chairmen in the areas of concentration. Such substitutions must not lessen the coherence of the course of study.

Interscience Programs

Other courses of study involving concentrations in Mathematics and the Natural Sciences must include Mathematics 202 and at least six semester hours in Mathematics at the 300 or 400 level. Programs must include at least 52 semester hours in Mathematics and the Natural Sciences, and meet one of the three following distribution requirements: Either a) 42 hours in Mathematics and Biology combines; or b) 42 hours in Mathematics and Chemistry combined; or c) 42 hours in Mathematics and Physics combined. The course of study must form a coherent program, and must be approved by both department chairmen in the areas of concentration. The planned course of study shall be presented to the Academic Dean at spring pre-registration of the sophomore year. Later substitutions in the course of study may be made with the approval of both department chairmen;

such substitutions must not lessen the coherence of the course of study.

INTRODUCTORY HONORS

FACULTY OF THE DIVISIONS OF HUMANITIES, NATURAL SCIENCES, AND SOCIAL SCIENCES

HONORS 101. (3) *Staff*
SEMINAR IN SOCIAL SCIENCES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. The discipline for 1977-78 is "History". Other disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 102. (3 or 4 hours) *Staff*
SEMINAR IN NATURAL SCIENCES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. The discipline for 1977-78 is "Chemistry". Other disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered; Fall or Spring semesters.

HONORS 103. (3) *Staff*
SEMINAR IN HUMANITIES. Consideration of a selected topic designed to introduce students to modes of inquiry and underlying assumptions of a particular discipline. The discipline for 1978-79 is "Religion". Other disciplines considered in subsequent years. Prerequisites: Open to Honors caliber freshmen or sophomores; permission of the Honors Council required. Offered: Fall or Spring semesters.

HONORS 202. (3) *Staff*
INTERDISCIPLINARY SEMINAR. Consideration of a major issue from the perspectives of the three disciplines introduced in Honors 101, 102, and 103. The

topic for 1978-79 is: "The Cost of Conflict in Civilization". Other issues in subsequent years. Prerequisites: Open to Honors caliber sophomores only; Honors 101, 102, and 103 or special permission of the Honors Council required. Offered: Spring semester.

MATHEMATICS AND COMPUTER SCIENCE

ASSOCIATE PROFESSORS *ESPIGH, GASKINS, SKERRY*; **ASSISTANT PROFESSORS** *FRANKE, SANDERS*

The requirements for a major in mathematics are a minimum of 36 hours in mathematics and computer science, including Mathematics 101, 102, 201, 202, 301, 303, 306, and electives at the 200 level or higher totaling at least 12 semester hours. Of these 12 hours, at most 6 may be in computer science. Subject to prior approval by the department, one 3-hour course, making extensive application of advanced mathematics and chosen from another discipline, may be substituted for one mathematics elective.

The Computer Science Option is for those who plan on doing advanced work in computing, and consists essentially of a major in mathematics supplemented by work in computer science. The recommended courses are Mathematics 101, 102, 201, 202, 301, 302, 303, together with at least one of Mathematics 203, 304, 308, 309, 310, and all of Computer Science 221, 222, 321, 322, 421, 422. Students interested in pursuing this option are advised to consult with the computer science faculty no later than the second semester of their freshman year.

MATHEMATICS 100. (4) *Espigh*
ELEMENTARY FUNCTIONS. Review of selected topics in algebra and analytic geometry. Properties and graphs of algebraic, exponential, logarithmic, and trigonometric functions. This course is designed as a pre-calculus course for those students planning to take calculus who lack sufficient preparation to enter Math 101. (Math 100 may not be used to satisfy the natural sciences distribution requirement.) Prerequisite: None. Offered: Each semester.

MATHEMATICS 101. (4) *Franke, Skerry*
CALCULUS I. Functions, limits, derivative, definite and indefinite integral, plane analytic geometry, vectors. Prerequisite: None. Offered: Each semester.

MATHEMATICS 102. (4) *Sanders*
CALCULUS II. Trigonometric, logarithmic, and exponential functions, techniques of integration, applications of the derivative and integral, underlying theory. Prerequisite: Math 101 or advanced placement examination. Offered: Each semester.

MATHEMATICS 103. (4) *Sanders, Skerry*
STATISTICS. Introduction to probability and statistics. Prerequisite: None. Offered: Each semester.

MATHEMATICS 104. (3) *Skerry*
MATHEMATICS FOR BUSINESS MANAGEMENT. Modern mathematical concepts and structures applied to business management. Prerequisite: None. Offered: Spring semester.

MATHEMATICS 105. (3) *Sanders*
HISTORY OF MATHEMATICS. The study of the development of mathematical concepts, with an emphasis on the relationship of the mathematics of each age to the prevailing culture. Topics receiving particular attention include the sudden flowering of mathematics as a deductive science in Classical Greece, the invention of analytic geometry, the development of the calculus, and the development of non-Euclidean geometry. Prerequisite: None. Offered: Fall Semester.

MATHEMATICS 201. (3) *Skerry*
LINEAR ALGEBRA. Vector spaces, linear transformations and matrices, inner product spaces. Development of computational tools. Prerequisite: Math 102. Offered: Fall semester.

MATHEMATICS 202. (4) *Skerry*
CALCULUS III. Polar coordinates, solid geometry and vectors, partial derivatives, multiple integrals, infinite series. Prerequisite:

site: Math 102 or advanced placement examination. Offered: Spring semester.

MATHEMATICS 203. (4) *Staff*
STATISTICAL METHODS. Organizing, conducting, and analyzing experiments with emphasis on data analysis using both parametric and non-parametric methods. Prerequisite: Math 103 or consent of instructor. Offered: Spring semester of odd years.

MATHEMATICS 207. (3) *Staff*
DIFFERENTIAL EQUATIONS. The study of ordinary differential equations, drawing from such topics as first and second order equations with applications, general linear equations, systems, series solutions, Laplace transform. Prerequisite: Math 202 or consent of professor. Offered: Fall semester of even years.

MATHEMATICS 301-302. (3-3) *Skerry*
ADVANCED CALCULUS. Topics may include sets, functions, limits, continuity, differentiation, integration, sequences and series, uniform convergence, power series, transformations and their differentials and inverses, implicit functions, transformations of multiple integrals, line and surface integrals, Fourier series. Development of the theory. Prerequisite: Math 202. Offered: 301 in the Fall semester; 302 in the Spring semester of odd years.

MATHEMATICS 303-304. (3-3) *Sanders*
ALGEBRAIC STRUCTURES. Groups, rings, fields, linear algebra, and selected topics. Prerequisite: Math 201. Offered: 303 in the Fall semester of odd years; 304 in the Spring semester of even years.

MATHEMATICS 305. (3) *Staff*
GEOMETRY. An axiomatic approach to Euclidean geometry and an introduction to non-Euclidean geometries. Prerequisite: Math 102. Offered: Spring semester of even years.

MATHEMATICS 306. (3) *Sanders*
TOPOLOGY. Elementary topological concepts. Prerequisite: Math 301. Offered: Spring semester of odd years.

MATHEMATICS 307. (3) *Skerry*
ELEMENTARY NUMBER THEORY. An introduction to the theory of numbers. Prerequisite: Math 102. Offered: Spring semester of even years.

MATHEMATICS 308. (3) *Staff*
NUMERICAL ANALYSIS. Solutions to problems of analysis by numeric methods and the study of error in numeric processes. Prerequisites: Math 201 and Computer Science 221. Offered: Fall semester of odd years.

MATHEMATICS 309. (3) *Staff*
APPLIED MATHEMATICS. Mathematical models and topics in advanced mathematics with application to the natural and social sciences. Prerequisites: Math 201 and 301. Offered: Spring semester of odd years.

MATHEMATICS 310. (3) *Staff*
PROBABILITY AND STATISTICS. The theory of probability and statistics. Prerequisites: Math 102 and 103. Offered: On sufficient demand.

MATHEMATICS 311. (3) *Sanders*
COMPLEX ANALYSIS. An introduction to the theory of complex functions. Prerequisite: Math 301. Offered: Fall semester of even years.

MATHEMATICS 401-402. (3-3) *Staff*
REAL ANALYSIS. Introduction to the theory of real functions, Lebesgue measure and integration, and related topics. Prerequisites: Math 301 and 302. Offered: On sufficient demand.

MATHEMATICS 485. (1, 2, or 3 hours) *Staff*
SEMINAR. A seminar on selected topics in mathematics. Prerequisite: Consent of the department. Offered: On sufficient demand.

MATHEMATICS 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. A program of independent study for advanced students of

mathematics to be arranged individually for each student in consultation with the department. Prerequisite: Admission by consent of the department. Offered: On demand.

COMPUTER SCIENCE COURSES

COMPUTER SCIENCE 121. (3) *Franke*
INTRODUCTION TO ELECTRONIC DATA PROCESSING. A study of the programming methods, logic, and machinery used in modern business programming. Emphasis will be on applications-programming through the Common Business Oriented Language (COBOL). Prerequisite: None. Offered: Fall semester.

COMPUTER SCIENCE 122. (3) *Franke*
ADVANCED COBOL PROGRAMMING. A continuation of Computer Science 121 but with emphasis on disk and tape applications and programming efficiency. A student project will be required. Prerequisite: Computer Science 121. Offered: Spring semester of even years.

COMPUTER SCIENCE 221. (3) *Franke*
INTRODUCTION TO COMPUTING. Discussion of algorithms, programs, and computers. Extensive work in the preparation, running, debugging, and documenting of programs. Discussion of organization and characteristics of hardware and software systems. Prerequisite: None. Offered: Each semester.

COMPUTER SCIENCE 222. (3) *Franke*
ADVANCED FORTRAN PROGRAMMING. A continuation of Computer Science 221 but with emphasis on disk and tape applications and programming efficiency. A student project will be required. Prerequisite: Computer Science 221. Offered: Spring semester.

COMPUTER SCIENCE 321. (3) *Staff*
COMPUTERS AND PROGRAMMING. Computer structure with reference to programming applications of the structure. Machine and assembly language programming concepts will be discussed, and

exercises illustrating the discussions will be given on available computing systems. Prerequisite: Computer Science 221. Offered: Fall semester of odd years.

COMPUTER SCIENCE 322. (3) *Staff*
INTRODUCTION TO INFORMATION STRUCTURES. Selected topics in discrete mathematics to include Boolean algebra, propositional logic, and graph theory. Description of data bases and their structure, sorting and searching of information from files, referencing and processing techniques based on structure. List processing, content addressing, and cross-referencing of files. Prerequisite: Computer Science 222. Offered: Spring semester of even years.

COMPUTER SCIENCE 421. (3) *Staff*
PROGRAMMING LANGUAGES. Formal definition of programming languages to include specification of syntax and semantics. Comparative studies of algorithmic, list processing, string manipulation, simulation, and algebraic manipulation languages. Prerequisite: Computer Science 222. Offered: Fall semester of even years.

COMPUTER SCIENCE 422. (3) *Staff*
SYSTEMS PROGRAMMING. Study of construction of software to handle the operation of a computing system. Topics covered include batch processing systems, multiprogramming and multiprocessor systems, and addressing techniques. Prerequisites: Computer Science 321, 322, and 421. Offered: Spring semester of odd years.

MODERN LANGUAGES

PROFESSOR WHITTED; ASSOCIATE PROFESSOR SILVEIRA; ASSISTANT PROFESSORS FARRELL, JAGASICH

The requirements for a major in French or Spanish are 18 hours in the language including 301-302 with four courses at the 400 level, and the completion of one of the following cultural or linguistic options: 1) Latin or Greek through the 102 level plus *Descriptive Linguistics* (Classical

Studies 301) and *English Etymology* (Classical Studies 201); or 2) a second modern language (French, Spanish, or German) through the 202 level; or 3) six semester courses (not counted toward distribution requirements) in related culture areas to include Fine Arts, History, Literature, Bible or Philosophy. Majors are encouraged to consider overseas study during their junior year, for which the new Erasmus Honoraria offer a stipend award to support and encourage candidates. For a concentration with some other discipline (e.g., Government and Foreign Affairs), the student must complete in the language(s) concerned four semester courses at the 400 level.

MODERN LANGUAGE PLACEMENT POLICY

- I. All students entering as freshmen, or transferring, will be screened and placed tentatively according to their linguistic background.
- II. Students may not be placed higher than 201 without substantiation of their proficiency by some nationally-recognized test: Specifically, by scoring 85 on the MB Princeton test, by scoring 650 on the SAT Achievement test, or by scoring 4 on the AP test. Those whose aptitude suggests that the 300-level may be appropriate will be advised to should speak with professors when they reach campus in the fall.
- III. All students offering such proof of proficiency will be granted up to 6 hours of credit and exemption from the 200 level of a given language.

FRENCH

FRENCH 101-102. (0-6) *Staff*
INTRODUCTION TO FRENCH. Grammar, reading, and drill in pronunciation. Credit toward the satisfaction of the language requirement only if followed by French 201-202. Laboratory. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester meets four times weekly.

FRENCH 201-202. (0-6) *Farrell*
INTERMEDIATE FRENCH. A balanced course with emphasis on reading. Prerequisite: French 101-102 or two years of high school French. Laboratory. Offered: 201 in the Fall semester; 202 in the Spring semester meets four times weekly.

FRENCH 301-302. (3-3) *Farrell*
MASTERPIECES OF FRENCH LITERATURE. A survey of French literature from its medieval origins to the present; a thematic presentation with complete, representative works read. Considerable reading. Prerequisite: French 201-202 or equivalent. Offered: 301 in the Fall semester; 302 in the Spring semester meets four times weekly.

FRENCH 307-308. (3-3) *Farrell*
MASTERPIECES OF FRENCH LITERATURE (in English). An introduction to world literature of French origin for elective credit in Humanities. Same structure and material as 301-302. Prerequisite: French 201-202 or approval of professor. Offered: When possible.

FRENCH 401. (3) *Farrell*
FRENCH THEATER. Survey of French drama from medieval *troupe* to *absurde*, in thematic presentation, through theory and criticism. Extensive reading. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Fall semester of even years.

FRENCH 402. (3) *Farrell*
ADVANCED FRENCH COMPOSITION. Intensive grammar review in conjunction with preparation of difficult texts; emphasis on essay format and *explication de textes*. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Spring semester of odd years.

FRENCH 403. (3) *Farrell*
FRENCH POETRY. Survey of French poetical forms from Middle Ages to Symbolism; examination of the unique character of French verse. Extensive reading. Prerequisite: French 301-302 or approval of professor. Required of majors. Offered: Fall semester of odd years.

FRENCH 404. (3) *Farrell*
FRENCH NOVEL. Seminar course to be conducted through intensive study of authors and movements; biographic, bibliographic, and critical sources, from the

elaboration of early narrative forms through the *nouveau roman*. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Spring semester of even years.

FRENCH 485. (1, 2, or 3 hours) *Staff*
SPECIAL TOPICS IN FRENCH. Intensive study under guidance of senior professor of French in specialized area other than course listings. Prerequisite: Approval of instructor. Offered: On request.

FRENCH 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY IN FRENCH. An individually-prepared plan for independent learning in French studies either on campus or abroad. Plan must be approved in advance by senior French professor and results shown by examination. Prerequisite: Approval of professor. Offered: On request.

GERMAN

GERMAN 101-102. (0-6) *Staff*
INTRODUCTION TO GERMAN. A thorough familiarity with the language is developed by constant grammatical drill, composition, and translation. A reasonable amount of simple narrative prose is read. Credit toward satisfaction of the language requirement only if followed by German 201-202. Laboratory. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

GERMAN 201-202. (0-6) *Jagasich*
INTERMEDIATE GERMAN. A review of grammar will be covered. Oral practice based on readings from various types of material will be emphasized. Elements of composition taught. Students will be encouraged to perform a play as well as report on individual outside reading. Laboratory. Prerequisite: German 101-102 or two years of high school German. Offered: 201 in the Fall semester; 202 in the Spring semester.

GERMAN 301-302. (3-3) *Jagasich*
SURVEY OF GERMAN LITERATURE.

The history of German literature from the beginnings to our day, with class reading of selected poetry, prose and drama of the 19th and 20th centuries. Term reports on extensive parallel reading. Prerequisite: German 201-202, or its equivalent. Offered: On sufficient demand.

GERMAN 307-308 (3-3) *Farrell*
SURVEY OF GERMAN LITERARY FORMS IN ENGLISH TRANSLATION. First semester will offer study of texts from the Teutonic epic to *Faust*, *Erster Teil*. Second semester will begin with Goethe's *Werther* and continue through Gunther Grass' *Katz und Maus* and the beginning of the Second World War. Emphasis on unique German literary expression. Extensive reading. Course will alternate with French 307-308 so that 307 will be (in principle) offered Fall '76, followed by French 308 in Spring '77, followed by German 307 in Fall '77, followed by German 308 in Spring '78, whereupon the cycle will recommence. Does not count toward major. Offered: When possible.

GERMAN 401. (3) *Jagasich*
GERMAN THEATRE. Survey of German drama from medieval *Fastnachtsspiel* and *Volksspiel* to the *Absurde* (through the *Burgersatire* and *Horspiele*, in thematic presentation, through theory and criticism. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Fall semester of even years.

GERMAN 402. (3) *Jagasich*
ADVANCED GERMAN COMPOSITION. Intensive grammar review in conjunction with preparation of difficult texts; vocabulary acquisition and stylistics incorporated in the program. Linguistic approach. Conducted in major language. Prerequisite: German 301-302 or approval of professor. Required of majors. Offered: Spring semester of odd years.

GERMAN 403. (3) *Jagasich*
GERMAN POETRY. Survey of German poetic forms from Middle Ages to Sym-

bolismus; Spruchdichtung, Ballade and Klassische Poesie through *Dichtungstheorie*. Extensive reading. Analysis of thematic and metric variations. Prerequisite: German 301-302 or approval of professor. Required of majors. Offered: Fall semester of odd years.

GERMAN 404. (3) *Jagasich*
GERMAN NOVEL. Seminar course to be conducted through intensive study of authors and movements; biographic, bibliographic, and critical sources, from the elaboration of early *Erzähl-literatur* through the *Roman zwischen Tradition and Wandlung* and *Die Geschichtserzählung*. Extensive reading. Prerequisite: 301-302 or approval of professor. Required of majors. Offered: Spring semester of even years.

GERMAN 485. See French 485.

GERMAN 495. See French 495.

RUSSIAN

RUSSIAN 101-102. (0-6) *Jagasich*
INTRODUCTORY RUSSIAN. Basic writing and reading skills are taught. Grammatical concepts are explained and drilled through dictations, translations and elementary conversation. A reasonable amount of narrative prose is read. Prerequisite: None. Offered: On sufficient demand.

RUSSIAN 201-202. (0-6) *Jagasich*
INTERMEDIATE RUSSIAN. Advanced grammar to be taught while translating more difficult reading material coupled with advanced conversation. Vocabulary building and active participation are encouraged. Basic composition skills are taught. Songs and poetry used to introduce students to Russian culture and art. Prerequisite: Russian 101-102. Offered: On sufficient demand.

SPANISH

SPANISH 101-102. (0-6) *Staff*
INTRODUCTION TO SPANISH. The elements of grammar, composition, and

pronunciation. Credit toward satisfaction of the language requirement only if followed by Spanish 201-202. Laboratory. Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

SPANISH 201-202. (0-6) *Staff*
INTERMEDIATE SPANISH. A review of grammar will be covered. Oral practice based on readings from Spanish and Spanish-American writers will be emphasized. Laboratory. Prerequisites: Spanish 101-102 or two years of high school Spanish. Offered: 201 in the Fall semester; 202 in the Spring semester.

SPANISH 301-302. (3-3) *Whitted*
NINETEENTH AND TWENTIETH CENTURY LITERATURE. A survey course of Spanish literature from the beginning to the present with emphasis on the Nineteenth and Twentieth Centuries. There will be outside readings. Prerequisites: Spanish 201-202, or its equivalent. Offered: 301 in the Fall semester; 302 in the Spring semester.

SPANISH 303-304. (3-3) *Silveira*
SPANISH-AMERICAN CIVILIZATION. A survey of the history and culture of Spanish America. Prerequisites: Spanish 201-202 or approval of the professor. Offered: 303 in the Fall semester of even years; 304 in the Spring semester of odd years.

SPANISH 305-306. (3-3) *Whitted*
SPANISH CIVILIZATION. A survey of the history and culture of Spain. Prerequisites: Spanish 201-202 or approval of the professor. Offered: 305 in the Fall semester of odd years; 306 in the Spring semester of even years.

SPANISH 401-402. (3-3) *Silveira or Whitted*
SPANISH-AMERICAN LITERATURE. The study of Spanish-American literature and civilization from the colonial period to the present day. A part of the course will be devoted to advanced grammar and conversation. Alternates with Spanish 403-404. Prerequisites: Spanish 301-302.

Offered: 401 in the Fall semester of odd years; 402 in the Spring semester of even years.

SPANISH 403-404. (3-3) *Silveira or Whitted*
SPANISH LITERATURE BEFORE 1700. This course will survey the development of Spanish literature from its beginning to the eighteenth century. However, most of the work in class will be limited to the study of the Spanish Epic, the Picaresque Novel, Cervantes, and the *Siglo de Oro* drama. Outside readings will be required. Prerequisite: Spanish 301-302. Offered: 403 in the Fall semester of even years; 404 in the Spring semester of odd years.

SPANISH 485. See French 485.

SPANISH 495. See French 495.

PHILOSOPHY

ASSOCIATE PROFESSOR IVERSON; ASSISTANT PROFESSOR SCHRAG

The requirements for a major in Philosophy are Philosophy 201, 301-302, 303, 308, and an additional 12 hours in Philosophy courses. A joint program in Philosophy and Religion or in Philosophy and another department should have the approval of the chairmen of both departments.

PHILOSOPHY 201. (3) *Iverson*
LOGIC. An introduction to the fundamentals of correct reasoning which includes a study of informal fallacies, the traditional syllogism, and symbolic logic. Prerequisite: None. Offered: Each semester.

PHILOSOPHY 202. (3) *Schrag*
PROBLEMS OF PHILOSOPHY. An introduction to philosophical thinking and argument by consideration of some specific philosophical problems such as free will, the existence of God, the independence of minds and brains, the nature of empirical knowledge and the claims of ethical relativism. Prerequisite: None. Offered: Each semester.

PHILOSOPHY 301-302. (3-3) 301-*Iverson*;
302-*Schrag*

HISTORY OF PHILOSOPHY. A study of the major thinkers of Western thought from the Greeks to the nineteenth century, with attention given to their cultural context. First semester: Classical and Medieval; Second semester: Modern. Prerequisite: None; not open to freshmen. Offered: 301 in the Fall semester; 302 in the Spring semester.

PHILOSOPHY 303. (3) *Schrag*
CONTEMPORARY PHILOSOPHY. PRAGMATISM AND THE ANALYTIC TRADITION. A survey of the major 20th Century American and British philosophers. Prerequisite: Philosophy 202 or Philosophy 302. Offered: Fall semester.

PHILOSOPHY 304. (3) *Schrag*
ETHICS. A consideration of moral justification and the principal ethical theories and their application to some specific moral problems such as drug use, sexual morality, abortion, discrimination, violence, and business ethics (problems will vary with the semester). Prerequisite: None; not open to freshmen. Offered: Spring semester.

PHILOSOPHY 306. (3) *Schrag*
SOCIAL PHILOSOPHY. An examination of the criteria for formulating and evaluating social institutions and policies; analysis of central concepts such as rights, property, justice, equality and the public good; social problems such as enforcement of morals, distribution of wealth, values of a business society. Prerequisite: Philosophy 304 strongly recommended. Offered: Fall semester.

PHILOSOPHY 307. (3) *Iverson*
PHILOSOPHY OF RELIGION. A study of the major issues and men in contemporary reflection on religion. Prerequisite: 3 hours in Philosophy or Religion courses. Offered: Fall semester.

PHILOSOPHY 308. (3) *Iverson*
CONTEMPORARY PHILOSOPHY: EXIS-

TENTIALISM AND PHENOMENOLOGY. A survey of the major Continental philosophers. Prerequisite: 3 hours in Philosophy. Offered: Spring semester.

PHILOSOPHY 310. (3) *Schrag*
ETHICS OF HEALTH CARE. This course will deal with certain normative ethical and social issues in health care. The course will involve the application of philosophical analysis and value theory to issues of public policy such as the allocation of medical resources and the nature of health care delivery systems and also to specific ethical issues such as human experimental, behavior-control, abortion and euthanasia. Prerequisite: Consent of the instructor. Offered: Spring short term.

PHILOSOPHY 312. (3) *Staff*
PHILOSOPHY OF SCIENCE. A consideration of the aims, methods and limits of science: including the relationship of empirical data to laws, models, theories, and explanation; the place of ethical considerations in the practice of science; and the use/abuse of scientific evidence in policy decisions. Prerequisite: Philosophy 201 or 202 and at least two laboratory courses in Natural Science. Offered: Spring semester.

PHILOSOPHY 380. (3) *Iverson*
MARX AND MARXIST HUMANISM. A survey of some of the basic developments in the philosophical and humanistic ideas in the Marxist tradition. Prerequisite: 3 hours in Philosophy or Government and Foreign Affairs. Offered: Spring semester.

PHILOSOPHY 485. (3) *Staff*
SPECIAL TOPICS. An intensive study of a major philosophical issue, of a major philosophical writing, or of prominent men such as Kant, Mill, Kierkegaard, Nietzsche, Heidegger, Whitehead, and Wittgenstein. Topic changes regularly. Open to non-majors. Prerequisite: Permission of instructor. Offered: Each semester.

PHILOSOPHY 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. Individual study

of a classical or contemporary problem or philosopher. Prerequisites: 6 hours of Philosophy courses and permission of the department. Offered: On request.

PHYSICAL EDUCATION

PROFESSOR BURRELL

PHYSICAL EDUCATION 301. (2) *Burrell*
A study of the philosophy and methods involved in the coaching of interscholastic sports. Emphasis is given to basketball, baseball, football, golf, soccer, tennis, lacrosse and to the prevention and treatment of athletic injuries. Attendance at selected varsity practice sessions is required. Elective for juniors and seniors. Prerequisite: None. Offered: Each semester.

HEALTH EDUCATION 303. (2) *Burrell*
A survey of the basic principles of good health. A study of ecology and the impact that environmental factors have on overall fitness. Emphasis is placed on physiology, the family cycle, drugs, and the prevention and cure of diseases. Elective for juniors and seniors. Prerequisite: None. Offered: Each semester.

Only two hours of credit in Physical Education are allowed toward the satisfaction of the 123 hours required for a degree.

PHYSICS

PROFESSORS JOYNER, MAYO; ASSOCIATE PROFESSORS BEARD, KIESS; INSTRUCTOR KRISS

The requirements for a major in physics are Physics 111-112, 151-152, plus additional hours to total 32, and Math 101-102.

Students who desire a rigorous mathematical treatment of the fundamentals of physics and who plan graduate work in physics should take Physics 201, 202, 301, 302, 303, 304, 351, 352, 401, 402.

Students who plan to teach or to pursue careers in business or industry involving applications of physical principles should take 103, 104, 211, 213, 215, 216, 261, 262, 304.

PHYSICS 101. (3) *Mayo*
PLANETARY ASTRONOMY. Study of the evolution of the Galilean-Newtonian model of the solar system, satellites, planets, comets, meteors, and astronomical instruments. Prerequisite: Proficiency with simple Algebra. Corequisite: Physics 141. Offered: Fall semester.

PHYSICS 102. (3) *Mayo*
STELLAR ASTRONOMY. A study of stellar properties, the sun, star clusters, galaxies, stellar evolution and cosmology. Prerequisite: Proficiency with simple Algebra. Corequisite: Physics 142. Offered: Spring semester.

PHYSICS 103-104. (0-6) *Beard*
BASIC ELECTRICITY AND ELECTRONICS. The first semester covers basic principles of electrical circuits, and simple transistorized amplifiers and oscillators. The second semester covers practical applications of other important solid-state devices, additional work with transistorized amplifiers, and simple applications of integrated circuits. Applications found in audio and music synthesizer circuits are emphasized. The level of the course is appropriate for the non-science major. Prerequisite: Consent of instructor. Corequisite: Physics 143-144. Offered: 103 in the Fall semester; 104 in the Spring semester.

PHYSICS 105. (3) *Joyner*
ENVIRONMENTAL PHYSICS. A look at the physical aspects of transportation, education, pollution, energy and natural resources, weapons, and communication. Prerequisite: None. Corequisite: Physics 145. Offered: Spring semester.

PHYSICS 108. (4) *Kiess*
METEOROLOGY. An elementary introduction to meteorology, to include properties of the atmosphere and their effects on weather. Measurement of atmospheric properties, weather maps, and weather

forecasting will be emphasized. Though some laboratory work will be included in this course, it will not satisfy the laboratory required under the Natural Science portion of the Distribution Requirements. Prerequisite: None. Offered: Fall semester.

PHYSICS 110. (3) *Joyner*
ENERGY AND POWER. A survey of present global energy sources and future possibilities, with qualitative economic analysis. The exploration of novel methods of generating power will be emphasized. Prerequisite: None. Corequisite: Physics 150. Offered: Fall semester.

PHYSICS 111-112. (3-3) *Joyner, Kiess, Mayo*
GENERAL PHYSICS. A survey of classical and modern physics. Elementary calculus is used. A student who is enrolled in Physics 111 must have taken Math 101 or must be taking it concurrently. This sequence of courses is recommended for science majors and students who plan to apply to medical school. Prerequisite: None. Corequisite: Physics 151-152. Offered: 111 in the Fall semester; 112 in the Spring semester.

PHYSICS 120. (3) *Beard*
PHYSICS OF MUSIC, MUSICAL INSTRUMENTS, AND HEARING. Topics covered include the following: the physical and acoustical background of music; the reception of musical sounds by the auditory system; factors influencing tone quality; auditorium and room acoustics; production of sound by various musical instruments, electronic synthesizers and audio speaker systems. There is emphasis upon demonstrations and short projects carried out by students. The level of the course is appropriate for the non-science major. Prerequisite: None. Offered: Spring short term.

PHYSICS 121-122. (1-1) *Joyner*
PROBLEMS IN GENERAL PHYSICS. Extended problem solving using calculus. Intended for students majoring in mathematics or science. Prerequisite: None.

Offered: 121 in the Fall semester; 122 in the Spring semester.

PHYSICS 141. (1) *Mayo*
LABORATORY. Accompaniment for Physics 101. Prerequisite: None. Corequisite: Physics 101. Offered: Fall semester.

PHYSICS 142. (1) *Mayo*
LABORATORY. Accompaniment for Physics 102. Prerequisite: None. Corequisite: Physics 102. Offered: Spring semester.

PHYSICS 143. (1) *Beard*
LABORATORY. Accompaniment for Physics 103. Prerequisite: None. Corequisite: Physics 103. Offered: Fall semester.

PHYSICS 144. (1) *Beard*
LABORATORY. Accompaniment for Physics 104. Prerequisite: None. Corequisite: Physics 104. Offered: Spring semester.

PHYSICS 145. (1) *Joyner*
LABORATORY. Accompaniment for Physics 105. Prerequisite: None. Corequisite: Physics 105. Offered: Spring semester.

PHYSICS 150. (1) *Joyner*
LABORATORY. Accompaniment for Physics 110. Prerequisite: None. Corequisite: Physics 110. Offered: Fall semester.

PHYSICS 151-152. (1-1) *Kiess*
GENERAL PHYSICS LABORATORY. An experimental examination of a variety of physical phenomena, along with an introduction to laboratory techniques and procedure. Prerequisite: None. Corequisite: Physics 111-112. Offered: 151 in the Fall semester; 152 in the Spring semester.

PHYSICS 201. (3) *Kriss*
MECHANICS. Particle dynamics is treated with particular emphasis on harmonic motion, motion in a central force field, and

the two body problem. Prerequisite: Physics 111. Offered: Fall semester.

PHYSICS 202. (3) *Joyner*
ELECTRICITY AND MAGNETISM. A study of electrostatics, electrodynamics, dielectrics, magnetism; concluding with Maxwell's equations. Prerequisite: Physics 112 and 201. Offered: Spring semester.

PHYSICS 211. (3) *Beard*
COMPUTER-BASED PHYSICS. A topical study of several physical systems with emphasis upon orbits, trajectories, wave motion and sound. Graphical and video output of results is emphasized. Three recitations per week; individual work substituted as required. The level of the course is appropriate for the non-science major. Prerequisite: None. Offered: Spring semester.

PHYSICS 215-216. (2-2) *Joyner*
PRINCIPLES OF ELECTRONIC INSTRUMENTATION. A study of the basic principles of operation of electronic instruments. Particular attention is devoted to medical applications where appropriate. Prerequisite: None. Corequisite: Physics 261-262. Offered: Spring semester.

PHYSICS 213. (3) *Joyner*
RADIATION PHYSICS. A study of nuclear physics, radioactivity, tracer techniques, medical and biological effects of radiation, and radiation instrumentation. Two lectures and one morning lab. Prerequisite: None. Offered: On demand.

PHYSICS 261-262. (1-1) *Joyner*
BASIC ELECTRONICS LABORATORY. Accompaniment for Physics 215-216. Prerequisite: None. Corequisite: Physics 215-216. Offered: Spring semester.

PHYSICS 301-302. (3-3) *Mayo*
QUANTUM MECHANICS. The physical foundations for the quantum theory are studied. Schrodinger's equation is introduced and used to analyze elementary aspects of the atomic nucleus and the solid state. Prerequisite: Mathematics 201-202; Physics 201-202. Offered: 301 in the Fall

semester of odd years; 302 in the Spring semester of even years.

PHYSICS 303. (3) *Kiess*
THERMODYNAMICS AND STATISTICAL PHYSICS. An introduction to kinetic theory and thermodynamics, with a brief survey of statistical mechanics. Prerequisite: None. Offered: Fall semester.

PHYSICS 304. (3) *Kiess*
WAVE PROPERTIES AND OPTICS. Geometrical and physical optics. Prerequisite: None. Offered: Spring semester.

PHYSICS 351-352. (2-2) *Staff*
ADVANCED LABORATORY. A laboratory course designed to acquaint the student with the instruments used in basic physical measurements and with the design of experiments. Prerequisite: None. Offered: 351 in the Fall semester; 352 in the Spring semester.

PHYSICS 401-402. (3-3) *Mayo*
THEORETICAL PHYSICS. Selected topics investigated in depth using sophisticated mathematical techniques; mostly advanced mechanics and electromagnetic field theory. Prerequisite: Physics 201-202 and consent of instructor; Mathematics 201-202. Offered: 401 in the Fall semester of even years; 402 in the Spring semester of odd years.

PHYSICS 485. (1, 2, or 3 hours) *Staff*
SPECIAL TOPICS. The experimental or theoretical study of one or more areas of physics not previously covered. Topics selected according to interests of students and staff. Prerequisite: Consent of instructor. Offered: On request.

PHYSICS 495. (1, 2, or 3 hours) *Staff*
INDEPENDENT STUDY. The experimental or theoretical study of one or more areas of physics not previously covered. Students must exhibit a high capability for independent study in order to qualify for admission to the course. Prerequisite: Consent of instructor. Offered: On request.

PSYCHOLOGY

PROFESSORS ORTNER, SIMES; ASSOCIATE PROFESSOR DEWOLFE; VISITING PROFESSOR RUBINSTEIN

A total of thirteen courses in Psychology is required for a major. These courses must include Human Behavior, Quantitative Methods, Experimental Psychology, History and Systems, and at least six additional courses at the 300 level. (Students may substitute a statistics course taught by the Mathematics department for Quantitative Methods.) Interdisciplinary majors within the social sciences may be developed and pursued with the approval of the departments concerned.

Majors seeking admission to graduate study in Psychology are encouraged to take more than the required number of courses in Psychology and to choose their electives from Biology, Sociology, or Computer Science.

PSYCHOLOGY 201. (3) *Simes, DeWolfe*
INTRODUCTION TO HUMAN BEHAVIOR. This course focuses upon those aspects of human behavior which the well-educated citizen might find most directly relevant. Topics include the development, description, and measurement of the normal and abnormal human being, his functioning individually and in groups, and methods of modifying his behavior and attitudes. Prerequisite: None. Offered: Each semester.

PSYCHOLOGY 202. (3) *Ortner*
QUANTITATIVE METHODS. An introduction to statistics employed in Psychology and Sociology. Both descriptive and inferential techniques are discussed, including nonparametric tests of significance and simple correlation. Prerequisite: Psychology 201 or Sociology 201. Offered: Fall semester.

PSYCHOLOGY 251. (1) *Ortner*
LABORATORY TO ACCOMPANY PSYCHOLOGY 202. Prerequisite: Psychology 201 or Sociology 201. Corequisite: Psychology 202. Offered: Spring semester.

PSYCHOLOGY 301. (4) *Rubinstein*
EXPERIMENTAL PSYCHOLOGY. The

experimental method and its application to such psychological processes as sensation, perception, motivation, and learning. Emphasis will be given to theory formulation, experimental design, and research techniques. Corequisite: Psychology 351. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 302. (3) *DeWolfe*
PSYCHOLOGICAL TESTS AND MEASUREMENTS. An overview of the technical problems involved in the construction and evaluation of measuring instruments, and a detailed examination of the more significant tests of ability and personality. Prerequisites: Psychology 201 and 202. Offered: Spring semester.

PSYCHOLOGY 304. (3) *DeWolfe*
PSYCHOLOGY OF PERSONALITY. Theoretical approaches and research relevant to the study of personality. Psychoanalytic, trait, field, self, learning, and existential approaches will be compared and evaluated. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 306. (3) *DeWolfe*
SOCIAL PSYCHOLOGY. The analysis of social motivation, attitude formation and change, group structure and processes, social conflict, and the psychological impact of the environment. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 308. (3) *Rubinstein*
PHYSIOLOGICAL PSYCHOLOGY. Survey of physiological aspects of behavior with special emphasis on the central nervous system. Also appropriate for Biology or pre-medical majors with the consent of their department chairman. Prerequisites: Biology 103, Psychology 201. Offered: Fall semester.

PSYCHOLOGY 309. (3) *Ortner*
ABNORMAL PSYCHOLOGY. Description of abnormal behavior; introduction to psychopathology. Prerequisites: Psychology 201 and 308. Offered: Spring semester.

PSYCHOLOGY 310. (3) *Simes*
PERSONNEL AND INDUSTRIAL PSYCHOLOGY. Application of psychological principles to problems in business and industry; personnel selection. Prerequisite: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 311. (3) *Simes*
MANAGERIAL PSYCHOLOGY. Concepts of human behavior that are relevant to managerial problems; organizational theory. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 312. (3) *DeWolfe*
PSYCHOLOGY OF LEARNING. A study of different theories of learning with special emphasis upon experimental findings and application of learning theories to practical problems in human learning. Prerequisite: Psychology 201. Offered: Spring semester.

PSYCHOLOGY 314. (3) *Ortner*
DEVELOPMENTAL PSYCHOLOGY. Normal human development throughout life with especial emphasis on childhood and adolescence. Prerequisite: Psychology 201. Offered: As needed.

PSYCHOLOGY 351. (1) *Rubinstein*
LABORATORY TO ACCOMPANY PSYCHOLOGY 301. Prerequisite: Psychology 201. Corequisite: Psychology 301. Offered: Fall Term.

PSYCHOLOGY 403. (3) *DeWolfe*
HISTORY AND SYSTEMS OF PSYCHOLOGY. Structuralism, functionalism, behaviorism, Gestalt psychology, psychoanalysis, and other schools of psychology. Prerequisites: Psychology 201 and six courses at the 300 level; Psychology 304 and 312 are especially recommended. Offered: Fall semester.

PSYCHOLOGY 405. (3) *Simes*
INTRODUCTION TO COUNSELING. A survey of the major theories of counseling and psychotherapy. Prerequisites: Psychology 201. Offered: Fall semester.

PSYCHOLOGY 409. (4) *Simes*
INTRODUCTION TO CLINICAL PSYCHOLOGY. A study of clinical methods, treatment approaches, and problems; the clinician and research. Students spend one afternoon a week working in a state hospital under supervision. Three lectures and one laboratory per week. Prerequisite: Psychology 309. Offered: Spring semester.

PSYCHOLOGY 485. (1-3) *Staff*
SPECIAL TOPICS IN PSYCHOLOGY. From time to time, seminars will be offered covering a variety of topics such as perception, sensation, motivation, human learning, cognitive processes, culture and personality, psychology in literature, psychology in religion, individual testing, and great psychologists. Open to junior and senior psychology majors. Prerequisites: Psychology 201 and completion of the junior sequence. Offered: Each semester.

PSYCHOLOGY 495. (1-3) *Staff*
INDEPENDENT STUDY OF PSYCHOLOGY: SENIOR RESEARCH. Research may be a laboratory project or may be a thesis based mainly on library research. Credit will be determined in advance by the quality and quantity of the work attempted. Prerequisites: Completion of the 200- and 300-sequences, senior standing in Psychology, and consent of instructor. Offered: Each semester.

SOCIOLOGY 201. (3) *Ortner*
INTRODUCTORY SOCIOLOGY. Methods and objectives of sociological research, varying patterns of social organization, and the study of society and culture as related to individual and group behavior. Prerequisite: None. Offered: Each semester.

SOCIOLOGY 302. (3) *Ortner*
SOCIOLOGY OF DEVIANCE. The deviance approach to the problems of contemporary society. Prerequisite: Sociology 201. Offered: Each semester.

SOCIOLOGY 303. (3) *Ortner*
SOCIAL STRATIFICATION. The basic theories of social stratification are dis-

cussed with emphasis on the origin of stratification systems and on the consequences of stratification, especially the distribution and exercise of power and privilege in American society. Prerequisite: Sociology 201. Offered: Fall semester.

WESTERN MAN

ASSOCIATE PROFESSORS BRINKLEY, IVERSON, NORMENT, ROGERS, TUCKER; VISITING ASSOCIATE PROFESSOR MERCKEN

The Western Man program consists of courses which bridge traditional departmental divisions and which deal with issues and with areas of knowledge of general human concern. The staff is composed of members of various Humanities and Social Sciences departments.

WESTERN MAN 101-102. (3-3) *Staff*
 Western Man 101-102 is an introductory humanities course in which major thinkers and issues of the Western cultural heritage are studied. It deals with the civilization of ancient Greece and Rome, the Biblical tradition, the European Middle Ages, and the age of the Renaissance and the Protestant Reformation. Attention is given to history, philosophy, religion, literature, the arts, and political and economic thought. Classwork consists of lecture sessions, in which all participants meet together, and discussion sections, for which small groups meet with faculty leaders. (History 101-102 is a natural sequel to this course.) Prerequisite: None. Offered: 101 in the Fall semester; 102 in the Spring semester.

WESTERN MAN 380. (3) *Laine*
THE INFLUENCE OF NATIONALISM IN EUROPEAN MUSIC OF THE NINETEENTH CENTURY. Through the examination of the life and works of such composers as Verdi, Wagner, Tchaikovsky, and Smetana, it is possible to study the influence of the idea of nationalism on significant composers, and, consequently,

the impact of their music on the nationalistic and revolutionary movements within their respective countries and throughout Europe. This course may be counted either as History or as Western

Man in connection with satisfying the distribution requirement for graduation. Prerequisite: None. Offered: Spring short term.



MATTERS OF RECORD

DEGREES AND OTHER HONORS

Commencement May 15, 1977

HONORARY DEGREES

Doctor of Laws

ROSS R. MILLHISER

Doctor of Divinity

ROBERT H. RAMEY, JR.

BACHELOR OF ARTS

Timothy Scott Ailsworth	Keysville, Virginia
Ralph David Anthony	Lynchburg, Virginia
Ira LeRoy Armstrong III	Virginia Beach, Virginia
Claude Newton Ballenger III	Albemarle, North Carolina
William Hollis Bandy	Hampton, Virginia
David Gudmundur Albertsson Bannen	Simpsonville, South Carolina
Stephen Earl Baril	Richmond, Virginia
Joseph Wolfe Bear III	Roanoke, Virginia
James Raymond Belcher, Jr.	Chester, Virginia
Lewis Crenshaw Boshier	Richmond, Virginia
Clyde Findley Bowie, Jr.	Anderson, South Carolina
Randolph Allan Capel	Richmond, Virginia
Timothy Earnest Carpenter	Richmond, Virginia
Rafael Francisco Castro	San Juan, Puerto Rico
John Ford Childress	Martinsville, Virginia
John Robert Clark III	Chevy Chase, Maryland
David Louis Clegg	Sanford, North Carolina
Arthur Linden Coleman†	Dublin, Virginia
Edward Neil Conner	Emporia, Virginia
Bryan Hunter Conrad	White Post, Virginia
John Truitt Cummings	Alexandria, Virginia
James Kirk Dille	Richmond, Virginia
Phillip Thomas DiStanislao	Petersburg, Virginia
William Benton Downer III	Charlottesville, Virginia
Darrell Thomas Drummond	Emporia, Virginia
Branch Ellis Duncan	Alexandria, Virginia
Gene Howard Edmonds	Gloucester, Virginia
Charles Brooks Efird	Greensboro, North Carolina
Randall William Evans	Atlanta, Georgia
Michael Andrew Farrell	Ringwood, New Jersey
William Chandler Ferguson	Lynchburg, Virginia
Carl Lee Fletcher, Jr.	St. Albans, West Virginia

Gene Mills Gallivan	Greenville, South Carolina
Frank McEnery Garrett	Richmond, Virginia
Stephen Anthony Garris	Woodbridge, Virginia
Robert Lawrence Gilliam, Jr.	Warrenton, Virginia
Richard Thomas Gould	Alexandria, Virginia
Harry Stanley Greene, Jr.	Richmond, Virginia
William John Gregg	Midlothian, Virginia
Edward Eugene Haarsgaard	Chatham, Massachusetts
David Randall Hardie	Roanoke, Virginia
David Lee Harlow	Suffolk, Virginia
James LeRoy Harris	Shaker Heights, Ohio
Kevin Lee Harris	Emporia, Virginia
Lair Dayton Haugh	Charlottesville, Virginia
David Lyle Hayes	Dryden, Virginia
Richard Christopher Hogue	Virginia Beach, Virginia
James Cleland Snead Holladay	Richmond, Virginia
Gregory Franklin Holland	Windsor, Virginia
Frank Leigh Horne, Jr.	Charlotte, North Carolina
William Brooks Howard	Alexandria, Virginia
John Hamilton Hume	Virginia Beach, Virginia
Robert Michael Ingoe	Salem, Virginia
Catesby ap Catesby Jones II	Richmond, Virginia
Walter Minitre Jones III	Galax, Virginia
Joseph Lawton King	Louisville, Kentucky
John Frederick Lange	Glen Allen, Virginia
Richard Campbell Langhorne	Norfolk, Virginia
Edmund Conger Leary	Edenton, North Carolina
Douglas Burton Lee	Roanoke, Virginia
Clark Epting Lindsay II	Charlottesville, Virginia
Gary Lee Lumsden	Roanoke, Virginia
Walter Fitch Manley III	Roanoke, Virginia
Benjamin Thomas Kinsey Marable	Petersburg, Virginia
Dudley Holmes Marks	Lynchburg, Virginia
James Dunn Mason IV	Petersburg, Virginia
Edward Judson McAdams	Charlotte, North Carolina
Philip Joseph McEwen, Jr.	Petersburg, Virginia
Joseph Reginald McGinn	Chesapeake, Virginia
Martin Michael Mc Nerney	Springfield, Virginia
William Francis Meehan III	Wilmington, Delaware
James Sebastian Militello	St. Augustine, Florida
David Scott Miller	Charleston, West Virginia
John Riley Mitchell, Jr.	Charleston, West Virginia
Michael David Moss	Front Royal, Virginia
Wallace Allan Overton	Victoria, Virginia
William Letcher Pannill	Martinsville, Virginia
Robert David Parsons	Brentwood, Tennessee
Mark Westfall Patterson	Hopewell, Virginia
Michael Craig Rady	Jacksonville, Florida
John George Rendzio	Aldie, Virginia
Thomas Charles Repenning	Haddonfield, New Jersey
David Francis Riddick	Charlottesville, Virginia
Daniel Scott Robertson	Malibu, California

Rolfe Robertson III	Fairfax, Virginia
Robert Seaborn Schneider	Atlanta, Georgia
Milton John Schultz III	Falls Church, Virginia
David Edward Schumacher	Charleston, West Virginia
Oden Kenneth Semones, Jr.	Leesburg, Virginia
John Carroll Shelton, Jr.	Greensboro, North Carolina
David Christian Shiflett	Roanoke, Virginia
Steven Gregory Simpson	Portsmouth, Virginia
Steven Lynn Singleton	Lynchburg, Virginia
Brett Raiford Smith	Lynchburg, Virginia
Michael Anthony Smith	Roanoke, Virginia
William Russell Spicer	Roanoke, Virginia
Philip Warren Spratley III	Hampton, Virginia
Robert Nelson Springer	Warrenton, Virginia
Kim Marie Stahl	Danville, Virginia
Steven Sachs Strauss	Roanoke, Virginia
William Rudolph Stump, Jr.	Charleston, West Virginia
William Culbreth Sydnor	Mannboro, Virginia
Motte Lawrence Talley	Sumter, South Carolina
David Lee Tashjian	Richmond, Virginia
John Sutton Tinsley	Lynchburg, Virginia
Andrew Morris Turner, Jr.	Roanoke, Virginia
William Elroy Turner III	Charlottesville, Virginia
Duane Ian Valentine	Winchester, Virginia
Peter Herbert Veale	Wilmington, Delaware
Michael Ashby Via	Virginia Beach, Virginia
James Thomas Waddill IV	Chester, Virginia
Richard Crews Walker, Jr.	Prospect, Kentucky
Thomas Bryan Walker	Richmond, Virginia
Daniel Keith Walters	Chester, Virginia
Charles Wesley Ward	Richmond, Virginia
Michael Duane Ward	Chesapeake, Virginia
James William Watson, Jr.	Farmville, Virginia
Douglas Martin Webb	Appomattox, Virginia
Brinson Carter White	Richmond, Virginia
Robert William White	Charleston, West Virginia
Dana Crooks Williams	Hagerstown, Maryland
Kirby Hopkins Wood	Haddonfield, New Jersey
Douglas Frederick Zier	Milwaukee, Oregon
Marcus Miller Zimmerman	Raleigh, North Carolina

BACHELOR OF SCIENCE

William Kenneth Almond	Richmond, Virginia
Nathaniel LeMaster Armistead III	Richmond, Virginia
Willard Reynolds Ashburn III	Virginia Beach, Virginia
Stephen Allen Atkinson	Chester, Virginia
Danny Reginald Barbee	Richmond, Virginia
Michael Cayce Baughan	Richmond, Virginia
Peter Fredrick Blount	Hampton, Virginia
Paul Stewart Buckman	Sterling, Virginia
William James Burton	Lynchburg, Virginia

Walter Scott Cox III	South Boston, Virginia
Adam Frederick Gall, Jr.	Charleston, West Virginia
Gary Robert Garner	Lynchburg, Virginia
Clyde McAllister Garrison III	Pulaski, Virginia
George Edward Gimpelson	Norfolk, Virginia
George Mason Grizzard	Emporia, Virginia
Philip Andrew Haley	Danville, Virginia
Darby Georgehan Hand	Herndon, Virginia
Broderick Lamont Hill	South Boston, Virginia
Lawrence King Hill, Jr.	Greenville, South Carolina
David Drake Hudgins	Franklin, Virginia
Gary Dean Hudson	Pamplin, Virginia
Willoughby Shelton Hundley III	Boydton, Virginia
Robert Dwight Johnson	Roanoke, Virginia
Christopher Morrow Justis	Charlotte, North Carolina
Michael Lee Justis	Charlotte, North Carolina
Lloyd Joseph Kellam III	Belle Haven, Virginia
Clyde Wayne Lankford	Suffolk, Virginia
Larry Paul Levin	Roanoke, Virginia
James Rhodes Lewis, Jr.	Petersburg, Virginia
John Alfred Mapp, Jr.	Leesburg, Virginia
Edgar Franklin Massie III	Crewe, Virginia
Richard Warren McLain	Kingsport, Tennessee
David Hill Michal, Jr.	Winston-Salem, North Carolina
Andrew Lewis Moore, Jr.	Fredericksburg, Virginia
Peter Davison Moore	Arlington, Virginia
Michael Scott Morgan	Norfolk, Virginia
William James Phipps, Jr.	Dinwiddie, Virginia
Richard Michael Ponti	Solvay, New York
James Clayton Robinson	Portsmouth, Virginia
Cheng Bee Saw	Malaysia
Larry Beaumont Snodgrass, Jr.	Knoxville, Tennessee
David Allen Snyder	Johnson City, Tennessee
David Dean Summerlin	Hagerstown, Maryland
John Stephen Tavenner	Virginia Beach, Virginia
Frederick Louis Troxel	Winchester, Virginia
James Allen Wiant	Shaker Heights, Ohio
David Huntington Willis, Jr.	Leesburg, Virginia

†Deceased, June 10, 1977.

**TROPHIES AND AWARDS
PRESENTED AT
GRADUATION**

THE GAMMON CUP

Given in memory of Dr. Edgar C. Gammon, pastor of College Church 1917-1923 and President of the College 1939-1955, to the member of the graduating class who has best served the College. Character, scholarship, and athletic ability are considered.

1977 Recipient: William DeHart Redd

THE ALGERNON SYDNEY SULLIVAN MEDALLIONS

Given annually in honor of its first president, Algernon Sydney Sullivan, by the New York Southern Society. One recipient of this award is a member of the graduating class who has distinguished himself for excellence of character and generous service to his fellows. The other recipients are chosen from those friends of the College who have been conspicuously helpful to and associated with the institution in its effort to encourage and preserve a high standard of morals.

1977 Recipients: Orran Lee Brown
Calvin Bass
Royal Cabell '43

ANNA CARRINGTON HARRISON AWARD

Given annually as a memorial to his mother through the generosity of Mr. Fred N. Harrison of Richmond, Virginia. The income from his gift furnishes a medal and a cash award of \$50.00 to that student who shows the most constructive leadership in each school year.

1977 Recipient: Edward Vincent O'Hanlan

CABELL AWARD

Given to "a Hampden-Sydney faculty member in recognition of outstanding classroom contribution to the education of Christian young men." The Cabell award was created by the Robert G. Cabell III and Maude Morgan Cabell Foundation to assist the College in attracting and keeping professors of high ability and integrity.

1977 Recipient: Dr. Joseph E. Goldberg

OMICRON DELTA KAPPA

Orran Lee Brown '78
Richard Andrew Davis '78
Edward Vincent O'Hanlan '78
William DeHart Redd '78

PHI BETA KAPPA

Philip Martin Bayliss '78
Scott Wesley Berglund '78
Orran Lee Brown '78
Paul Garland Brown '78
Robert Daniel Groseclose '78
Samuel Lee Groseclose '78
Taeho Kim '78
Robert Elford Livingston, Jr. '78
William DeHart Redd '78
Paul English Smith '78
Frank Dew Stoneburner, Jr. '78
Scott Sheldon Twentyman '78
Barrye Langhorne Wall '78
Thomas Craven Wall '78
Edward Theodore Wolanski '78
Joseph Thomas Francis, Jr. '78

STUDENT BODY 1977-78

FRESHMAN CLASS

Anderson, John Walton, Jr.	Crozet, Virginia	Eidson, Arlen Glenn, Jr.	Virginia Beach, Virginia
Apperson, Charles Black	Roanoke, Virginia	Emerick, Paul Theodore	Triangle, Virginia
Atkinson, Jonathan Garland	Richmond, Virginia	Evans, Gilbert Russell	Satsuma, Florida
Atwill, Edward Bennett	Richmond, Virginia	Farthing, Stephen Daniel	Danville, Virginia
Auerbach, Barry William	Portsmouth, Virginia	Fay, Richard Michael	Spartanburg, South Carolina
Baber, Bruce Allenby, Jr.	Newport News, Virginia	Feld, Alan David, Jr.	Dallas, Texas
Ball, David McDowell	Leesburg, Virginia	Ferrara, Martin Ellerbe	Charleston, South Carolina
Ball, George Gill, Jr.	Virginia Beach, Virginia	Fine, Henry Stuart	Richmond, Virginia
Barranger, Kirk Lewis	Roanoke, Virginia	Finney, Mark Spencer	Baltimore, Maryland
Bashaw, John Allison	Fairfax, Virginia	Fitzwater, Timothy Martin	Wilmington, Delaware
Bass, William Dudley	Rice, Virginia	Fletcher, David Harry	St. Albans, West Virginia
Beck, Steven Edward	Vienna, Virginia	Fout, Paul Douglas	Middleburg, Virginia
Beecroft, Morris Bryan, III	Newport News, Virginia	Fox, Preston Stuart	Charlottesville, Virginia
Berg, Patrick Wayne	Virginia Beach, Virginia	Fralin, Charles Randolph	Richmond, Virginia
Bishop, Michael Eugene	Duncansville, Pennsylvania	Freeman, William Long	New Hope, Pennsylvania
Bohannon, Martin Ray	Mechanicsville, Virginia	Gammon, Tracy Watkins	Reidsville, North Carolina
Bond, Stewart Michael	Bedford, Virginia	Gary, Stuart Thomas	Baltimore, Maryland
Boucher, Brian William	Chesapeake, Virginia	Good, Russell Warden	Midlothian, Virginia
Bowles, Phillip Cameron	Farmville, Virginia	Greer, Billy Louis	Virginia Beach, Virginia
Bradshaw, William James, Jr.	Buckingham, Virginia	Gunn, Robert Bruce	Winston-Salem, North Carolina
Brooks, Paul Harrington	Courtland, Virginia	Haar, Frederick Hubbard, Jr.	Charlottesville, Virginia
Brown, Edward Farrow	Mechanicsville, Virginia	Hale, Thaddeus Henry	Roanoke, Virginia
Brown, Gordon Bradley	Richmond, Virginia	Haley, Gregory Joseph	Roanoke, Virginia
Bullard, John Bunyan, III	Richmond, Virginia	Hancock, William Joseph	Winchester, Virginia
Burke, John Duke	Richmond, Virginia	Harrington, David Merle	China Grove, North Carolina
Burke, Landon Mason	Alexandria, Virginia	Harris, James Selden, Jr.	Blackstone, Virginia
Burks, Gordon Elmo, III	Richmond, Virginia	Harrison, William Edward	Birmingham, Alabama
Cabell, Henry Landon, IV	Garrison, Maryland	Haw, David Morrison	Richmond, Virginia
Cabell, Mark Harriss	Columbia, Virginia	Hayes, Richard Burton, III	Augusta, Georgia
Capocelli, Sergio	Richmond, Virginia	Helms, Crampton Harris, Jr.	Morristown, Tennessee
Carlucci, Jeffery Van	Chesapeake, Virginia	Henry, Timothy Ira	Lynchburg, Virginia
Carney, Richard Lee	Virginia Beach, Virginia	Heppner, David Alexander Spotswood	Lynchburg, Virginia
Carothers, William Douglas M., III	Farmville, Virginia	Hinkle, Henry Newsom	Winston-Salem, North Carolina
Carrington, William Addison	Lynchburg, Virginia	Hoke, James Michael	Richmond, Virginia
Carter, Thomas Fleming	Fort Defiance, Virginia	Holder, David Wayne	Sterling, Virginia
Caton, Christopher Edward	Virginia Beach, Virginia	Holgate, Louis Howard	Leesburg, Virginia
Chiotti, Jean Yves	Salon, France	Huddle, David Franklin	Fredericksburg, Virginia
Coleman, James Bruce	Dublin, Virginia	Hull, William Vance	Norfolk, Virginia
Cordes, Jeffrey O.	Simpsonville, South Carolina	Huntley, Louis Ward	Orange Park, Florida
Cox, Parke Hunter, III	Chesapeake, Virginia	Huskey, Daniel Alan	Farmville, Virginia
Cozad, Thomas Michael, Jr.	Bettendorf, Iowa	Ireland, Scott Brown	Birmingham, Alabama
Craddock, John Wimbish	Lynchburg, Virginia	Irving, Frederick French	Jacksonville, Florida
Craighill, Edward Carrington	Lynchburg, Virginia	Jervey, William Altvater	Franklin, Virginia
Crenshaw, Gordon Lee, II	Richmond, Virginia	Johnson, Charles Lunsford	Petersburg, Virginia
Crook, Charles William	Albemarle, North Carolina	Jones, Benjamin Edward	Crewe, Virginia
Culbertson, Tracy T.	Manassas, Virginia	Jones, William David	Hinckley, Ohio
Cumby, Thomas Edward	Farmville, Virginia	Jordan, Daymon Roy	Athens, Georgia
Cunningham, Hugh Carleton, III	Farmville, Virginia	Joynes, Louis Napoleon, II	Virginia Beach, Virginia
Currie, William Robert	Roanoke, Virginia	Karo, William Andrew	Richmond, Virginia
Curtis, Thomas Webster	North Springfield, Virginia	Keane, Daniel Alfred	Richmond, Virginia
D'Agata, Michael Charles	South Boston, Virginia	Keesling, John Carl	Sterling, Virginia
Daly, Clark Jeffrey	Richmond, Virginia	Keller, Scott Green	Asheville, North Carolina
Davis, Mark McHale	Bronxville, New York	Kent, Anthony Wayne	Waynesboro, Virginia
Davis, Thomas Martin	Richmond, Virginia	Key, Phillip Winfrey	Danville, Virginia
Denham, Douglas Scott	Winchester, Virginia	Kilgour, Kenneth Litton	Leesburg, Virginia
Denitto, Robert Fred	Fredericksburg, Virginia	Kyle, Johathan Lee	Ashland, Virginia
Doherty, Daniel Keith	Arbutus, Maryland	Laughlin, Peter Scott	Newport News, Virginia
Doumar, Richard Habib	Virginia Beach, Virginia	Lawler, Douglas Reed, Jr.	Sunrise, Florida
Driskill, William Shearer	Lynchburg, Virginia	Lawrence, Frank Bernard	Ormond Beach, Florida
Duffer, Randolph Lee, III	Keysville, Virginia	Leach, Michael Keith	Bostic, North Carolina
Economos, Demetri	Charlottesville, Virginia	Leach, William Kendall, Jr.	Forest City, North Carolina
Edwards, Anthony Michael	Chester, Virginia	Leake, Armond Buck, Jr.	Richmond, Virginia
Eggleston, Sam Daniel	Lovington, Virginia	Levering, Cary Cooper	Richmond, Virginia
		Lewis, John Bolling, III	Richmond, Virginia
		Little, Clark Walworth	Newport News, Virginia
		Long, William Martin	Newport News, Virginia
		Mack, Edward Tinsley	Orange, Virginia
		Mahoney, Robert Kevin	Chesapeake, Virginia
		Malone, Walter Joseph, Jr.	Virginia Beach, Virginia
		Manger, Walter E.	Alexandria, Virginia

Marks, Daniel Camp Capron, Virginia
 Mason, Carroll Allen Midlothian, Virginia
 Mason, Gary David Reston, Virginia
 Mastropaolo, Jonathan D. Falls Church, Virginia
 McCulloch, Scott Hedrick Beckley, West Virginia
 McCulloch, Orgain Edward, III North Palm Beach, Florida
 McGehee, William Overton Palmyra, Virginia
 McKenney, Malcolm Stuart, Jr. Richmond, Virginia
 McKinnon, Michael Leigh Lawrenceville, Georgia
 Mikell, William Gaillard, Jr. Wilmington, Delaware
 Molster, John Sanford Richmond, Virginia
 Moorhead, Scott Logan Lexington, Virginia
 Morgan, William Hunter, Jr. Sunburg, North Carolina
 Morris, Reginald Philip Chester, Virginia
 Myers, Averette Perry, Jr. Alberta, Virginia
 Newman, William Crenshaw, IV Richmond, Virginia
 Nichols, Jerome Smith, III Troutville, Virginia
 Noftsinger, Dabo Clifton West Point, Virginia
 Norrington, George Dyer Virginia Beach, Virginia
 Overton, John Gregory Richmond, Virginia
 Owens, Andrew Dow, Jr. Pulaski, Virginia
 Pananas, Jonathan Socrates Orange, Virginia
 Pappas, John Stephen Buffalo, New York
 Parker, Richard Carlyle Atlanta, Georgia
 Parker, Wilbert Joel Danville, Virginia
 Paulette, Bennett Wayne Appomattox, Virginia
 Pearson, Robert Knight, Jr. Lynchburg, Virginia
 Peterson, Mitchell Paul Arnold, Maryland
 Pollock, Andrew Jesse Norfolk, Virginia
 Porterfield, David Latimer Winchester, Virginia
 Quarles, Foster Kevin Hampton, Virginia
 Quinn, Warren Arthur Kingsville, Maryland
 Ramsey, Stuart Craig Hilton Head Island, South Carolina
 Randolph, Philip Ruffin Mechanicsville, Virginia
 Reed, Randy Wayne Richmond, Virginia
 Revell, Everett Carroll, Jr. Onley, Virginia
 Revercomb, Randolph Chapman Roanoke, Virginia
 Rhea, Michael Anthony Farmville, Virginia
 Rhodes, John Richard Presque Isle, Maine
 Ritsch, Frederick Field, III Spartanburg, South Carolina
 Roberts, William Shackelford Richmond, Virginia
 Robertson, James Edward Burkeville, Virginia
 Robertson, Theodore Andrew Richmond, Virginia
 Rogers, John Charles Virginia Beach, Virginia
 Rose, Robert John Chesapeake, Virginia
 Ross, Robert Douglas Severna Park, Maryland
 Ross, Scot Andrew Richmond, Virginia
 Rowe, Andrew Carlton, Jr. Mechanicsville, Virginia
 Rummel, Mark Christopher Tomahawk, Wisconsin
 Ruoff, Peter Edward Dumfries, Virginia
 Rustin, Raiford Herrin Charleston, South Carolina
 Rutledge, Dennis Joseph Danville, Virginia
 Salsberry Lee Kent Alexandria, Virginia
 Sawyer, Leslie R., Jr. Norfolk, Virginia
 Schein, Daniel Bradley Norfolk, Virginia
 Schoonover, Jon Robert Moseley, Virginia
 Schuessler, Wesley Roanoke, Virginia
 Schumacher, Michael George Charleston, West Virginia
 Screven, John Slade Birmingham, Alabama
 Seay, Kevin Payne Dillwyn, Virginia
 Shaner, Mitchell Dahl Lexington, Virginia
 Shelly, William Allen Hampton, Virginia
 Shelton, William Rhea Chester, Virginia
 Sherrod, David Burton Sanford, North Carolina
 Silvester, Donald Wilhelm Falls Church, Virginia
 Sims, Christopher Lee Hyattsville, Maryland
 Snead, Lawrence Rucker, III Charleston, South Carolina
 Snidow, Robert English Lynchburg, Virginia
 Stephenson, William Cowell, IV Roanoke, Virginia
 Stiebel, Christopher Miles Richmond, Virginia

Stokes, Gordon Kavanaugh Norfolk, Virginia
 Taylor, James Creede, III Christiansburg, Virginia
 Taylor, Joseph Dodson Virginia Beach, Virginia
 Taylor, Phillip Aaron Easton, Maryland
 Thompson, James Christian, Jr. Richmond, Virginia
 Thompson, James King, Jr. Mechanicsville, Virginia
 Thompson, Warren Michael Windsor, Virginia
 Thornhill, Clarence Edward Lynchburg, Virginia
 Thornton, William Cary Forest, Virginia
 Tucker, Royster Milton, III High Point, North Carolina
 Tucker, Stanley Holland Richmond, Virginia
 Varboncoeur, Francis Gary West Point, Virginia
 Vincent, Harry Benjamin, Jr. Emporia, Virginia
 Waldrop, George Stephens Roanoke, Virginia
 Ware, Richard Lee Richmond, Virginia
 Watkins, Franklin Parker, Jr. Richmond, Virginia
 Watson, Douglas Charles Farmville, Virginia
 Watson, Robert Jacob, Jr. Emporia, Virginia
 Weaver, James Burgess Martinsville, Virginia
 Webb, Bruce Allen Falls Church, Virginia
 Webb, Dwight Marvin Richmond, Virginia
 Wells, Michael Stanford Danville, Virginia
 West, David John Chesapeake, Virginia
 White, David Ellington Charles City, Virginia
 Wilcox, Thomas Floyd Charleston, West Virginia
 Wildman, Walter Davis Newport News, Virginia
 Wilkerson, Paul Gregory Alexandria, Virginia
 Willis, Richard Turner Pratt Fredericksburg, Virginia
 Wingfield, William Carter Bedford, Virginia
 Winks, George Franklin, III Richmond, Virginia
 Winslow, Leonard Francis, III Charlottesville, Virginia
 Wirth, Gordon Wolfgang Salem, Virginia
 Witt, Brian Kendall Lynchburg, Virginia
 Wootton, Frank Taylor, III Virginia Beach, Virginia
 Wrenn, Robert Cochran, Jr. Emporia, Virginia
 Wyeth, Peter Lydon Spring, Texas

SOPHOMORE CLASS

Ackermann, Michael Friedrich Roanoke, Virginia
 Adams, James Edward Brookneal, Virginia
 Adams, James Ervin, III Yorktown, Virginia
 Alexander, James Moffatt, III Fairfax, Virginia
 Alloway, Jeffrey A. Cincinnati, Ohio
 Appich, Donald Leland, Jr. Richmond, Virginia
 Artois, John William Lynchburg, Virginia
 Atha, Alan Paul Shawnee Mission, Kansas
 Atkinson, Jonathan Garland Richmond, Virginia
 Babashak, James Vincent Falls Church, Virginia
 Bagley, Rogers Byron Birmingham, Alabama
 Baker, Philip Bruce Franklin, Virginia
 Ballentine, John Frederick Salem, Virginia
 Barnhill, Ray Curtis Hampton, Virginia
 Barrs, David Ernest Newport News, Virginia
 Bateman, Herbert Harvell, Jr. Newport News, Virginia
 Batliner, Ronald Virginia Beach, Virginia
 Beck, Steven Edward Vienna, Virginia
 Beecroft, Morris Bryan, III Newport News, Virginia
 Benner, Donald Ray Warrenton, Virginia
 Best, Marcellus James Goldsboro, North Carolina
 Boatwright, Donald Jeffrey Roanoke, Virginia
 Boross, John Michael Hightstown, New Jersey
 Boyd, Taylor Fair Columbia, South Carolina
 Boze, Edward Scott, III Richmond, Virginia
 Bradshaw, Christopher Leroy Richmond, Virginia
 Brierre, Roland Theodore, III Richmond, Virginia
 Brilliant, Patrick David Chesapeake, Virginia
 Brooks, Paul Harrington Courtland, Virginia

Brown, Edward Dalton	Darien, Connecticut	Little, Clark Walworth	Newport News, Virginia
Brown, William Denis, IV	Monroe, Louisiana	Long, Christopher Shepherd	Richmond, Virginia
Buchanan, George Conway	Bristol, Tennessee	Mansfield, John Earl, II	Gainesville, Georgia
Burke, John Duke	Richmond, Virginia	Maxa, Timothy Scott	Charlottesville, Virginia
Byrd, Irving Ray, Jr.	Salem, Virginia	McElwee, Douglas Carlton	Charleston, West Virginia
Cann, Brian Mitchell	Richmond, Virginia	McGehee, William Overton	Palmyra, Virginia
Carter, Thomas Fleming	Fort Defiance, Virginia	McManaway, Clayton Lee	Roanoke, Virginia
Cash, Richard Everett	Lynchburg, Virginia	Mellen, Seth Baldwin, III	Atlanta, Georgia
Ciucci, Joseph Vincent, III	Richmond, Virginia	Miles, William Scherer	Richmond, Virginia
Clark, Mark Morgan	Kilmarnock, Virginia	Modlin, Robert Christian	Smithfield, Virginia
Claybrook, Dewey Wayne	Brookneal, Virginia	Montgomery, Robert Downman	New Orleans, Louisiana
Corey, John Edwin	South Charleston, West Virginia	Moore, Charles Ferrell, III	Norfolk, Virginia
Cox, Robert Young	South Boston, Virginia	Moran, Edward Elliott	Wilmington, Delaware
Craighill, Edward Carrington	Lynchburg, Virginia	Morris, Mark John	Richmond, Virginia
Crouch, Donald Ray	Bedford, Virginia	Newton, David Emory	Richmond, Virginia
Crow, David Miller	Salem, Virginia	Nexsen, Walter Randolph	Lynchburg, Virginia
Darden, William Dunlap	Salt Lake City, Utah	Oakes, William Barry	Dallas, Texas
Davis, Jarrett Lafayette, IV	Atlanta, Georgia	Ogle, David Gordon	Forest, Virginia
Dickinson, William Andrew, III	Virginia Beach, Virginia	Orlandi, Joseph Orazio	Charleston, West Virginia
Dietz, Charles Miller, Jr.	Richmond, Virginia	Overton, John Gregory	Richmond, Virginia
DiMunno, James Agostino	Chesapeake, Virginia	Owens, Andrew Dow, Jr.	Pulaski, Virginia
DiStanislao, William White	Petersburg, Virginia	Pantele, William James	Richmond, Virginia
Dodd, Ralph Wesley	Cape Charles, Virginia	Patterson, Mark Whitehead	Lynchburg, Virginia
Duffer, Randolph Lee, III	Keysville, Virginia	Peters, Paul Dillard	Greensburg, Indiana
Dunaway, John Clopton	Seaford, Delaware	Plunkett, William Gordon	Virginia Beach, Virginia
Durham, Lucian Archambault, III	Roanoke, Virginia	Poehler, Dennis Christopher	Richmond, Virginia
Edwards, William Henry, Jr.	Montross, Virginia	Preas, George Robert, II	Roanoke, Virginia
Face, James Michael	Richmond, Virginia	Price, Douglas Sumpter, Jr.	Gretna, Virginia
Ficklen, Fitz-Hugh Conway	Wilmington, North Carolina	Richards, James Ronald	Lynchburg, Virginia
Fischer, Ronald Luis, Jr.	Chester, Virginia	Richards, Mark Irvin	Roanoke, Virginia
Fitchett, Robert Peirce	Newport News, Virginia	Rodman, Judson Howard, Jr.	Portsmouth, Virginia
Floyd, Barton Lee	Chester, Virginia	Saunders, Amos Charles, Jr.	Totowa Boro, New Jersey
Fox, William Trent, Jr.	Capron, Virginia	Schrader, Mauricio Trujillo	Tazewell, Virginia
Francis, Robert Ford	Charleston, West Virginia	Schrum, Owen Lester, III	Providence, North Carolina
Fuller, Drew Robinson, Jr.	Atlanta, Georgia	Senter, Frederick Forrest	Raleigh, North Carolina
Garner, Thomas Arthur	Lynchburg, Virginia	Shaner, Mitchell Dahl	Lexington, Virginia
Godbold, Frank Blackwell, III	South Boston, Virginia	Shelnut, Willie Robert, II	Lynchburg, Virginia
Gordon, Samuel Fitzhugh, III	St. Louis, Missouri	Sherrod, Stanley Marc	Sanford, North Carolina
Gray, Thomas Paul	Baltimore, Maryland	Shipp, Andrew Rucker	Bedford, Virginia
Grover, Robert Ellis	Staunton, Virginia	Sigler, Stewart Marshall	Lynchburg, Virginia
Hardy, William Edward	Richmond, Virginia	Slack, Daniel Martin	Hickory, North Carolina
Hare, Ransom Bryant, IV	Forest, Virginia	Smith, Philip Aldrich	Oxford, Ohio
Harris, David Wayne	Glen Allen, Virginia	Smith, Timothy Andrew	Roanoke, Virginia
Harris, James Selden, Jr.	Blackstone, Virginia	Sparrow, James Callen	Birmingham, Alabama
Harris, Robert C. P.	South Boston, Virginia	Springer, Joseph Reese	Warrenton, Virginia
Haugh, David Roberts	Charlottesville, Virginia	Stiebel, Christopher Miles	Richmond, Virginia
Helms, Crampton Harris, Jr.	Morristown, Tennessee	Stokes, John Randolph	Norfolk, Virginia
Henley, Richard Alan	Richmond, Virginia	Talley, Gerald Spencer, Jr.	Richmond, Virginia
Hogg, Charles Mathew, Jr.	Powhatan, Virginia	Taylor, William Mills, Jr.	Winston-Salem, North Carolina
Holder, David Wayne	Sterling, Virginia	Tazewell, Edmund Bradford, III	Virginia Beach, Virginia
Horkan, George Anthony, III	Middleburg, Virginia	Tedesco, Steven Kent	Petersburg, Virginia
Howlett, Bobby Lewis, Jr.	Norfolk, Virginia	Thompson, Mark Wootton	Atlanta, Georgia
Huff, Leigh Preston, Jr.	Roanoke, Virginia	Thornton, Michael Alexander	Forest, Virginia
Hull, William Vance	Norfolk, Virginia	Tignor, Keith Randall	Richmond, Virginia
Jervey, James Drewry	Franklin, Virginia	Tindall, Russell Glenn	Richmond, Virginia
Johnston, David King	Pearisburg, Virginia	Tribble, Waring, Jr.	Dunnsville, Virginia
Jones, Bernard Ogburn	Alberta, Virginia	Tucker, Stanley Holland	Richmond, Virginia
Jordan, Daymon Roy	Kinston, North Carolina	Turner, James Michael	Richmond, Virginia
Joyce, William George, Jr.	Patchogue, New York	Tyler, John Alan	Richmond, Virginia
Kasun, John Matthew	Fairfax, Virginia	Unger, Daniel Vernon	Roanoke, Virginia
Kavit, Gary S.	Richmond, Virginia	Utt, James Warren, Jr.	Roanoke, Virginia
Keena, Timothy Erich	Vienna, Virginia	Warinner, Edwin Douglas, Jr.	Richmond, Virginia
Kerns, Trent Sydnor	Richmond, Virginia	Watson, David Lee, II	Midlothian, Virginia
Kim, Taeho	Charlottesville, Virginia	Watson, David Paul	Virginia Beach, Virginia
Kirby, Wade H. O.	Morristown, New Jersey	Wayt, James Twyman	Atlanta, Georgia
Knight, Benjamin Franklin, III	Lynchburg, Virginia	Wheaton, Edward Gordon, Jr.	Virginia Beach, Virginia
Langford, William H. G.	Jackson, Mississippi	White, David Ellington	Charles City, Virginia
Laux, Jerome Eugene	Norfolk, Virginia	Whitehead, James Arthur, Jr.	Portsmouth, Virginia
Lawrence, Mosby Wiley, IV	Richmond, Virginia	Williams, Evan Burgett	Keswick, Virginia
Leach, William Chalmers	Leesburg, Virginia	Wilson, Norwood Williams, III	Hopewell, Virginia

Winks, George Franklin, III Louisa, Virginia
 Witt, Brian Kendall Lynchburg, Virginia
 Wyatt, Dale Ricky Norfolk, Virginia
 Yates, Mark Edwin Nathalie, Virginia
 Ziglar, Joseph Maxton, Jr. Hampton, Virginia
 Kefer, Robert Franklin Lynchburg, Virginia
 Shepherd, Robert Jackson Roanoke, Virginia
 Fralin, Charles Randolph Richmond, Virginia
 Melillo, Frederick Michael Levittown, New York
 Kelley, Joseph Crockett Wytheville, Virginia
 Kelsey, Philander Sparta, Tennessee
 Killgore, John Kendall Killen, Alabama
 Roberts, Dennis Lee Lawrenceville, Virginia
 Talley, Cecil Trent, Jr. South Boston, Virginia
 Verghese, George Sunil South Hill, Virginia
 Wall, Barrye Langhorne Farmville, Virginia
 Wallace, James Weldon Staunton, Virginia

JUNIOR CLASS

Adamson, Brian David Washington, Pennsylvania
 Adkins, Eddie Michael Danville, Virginia
 Asdit, Samuel Denison, III Norfolk, Virginia
 Agee, Robert Lee, IV Farmville, Virginia
 Akers, Thomas Madagan Roanoke, Virginia
 Appleton, Randall Eugene Chesapeake, Virginia
 Archer, Thomas Bolling Richmond, Virginia
 Armstrong, Peter Eaton Roanoke, Virginia
 Aron, Scott Simpson Danville, Virginia
 Battle, William Olsen Lexington, Virginia
 Bean, Joseph Sanborn, Jr. Birmingham, Alabama
 Beck, Gary James Midlothian, Virginia
 Beckner, Golden Basil, Jr. Roanoke, Virginia
 Bell, Lewis William Memphis, Tennessee
 Belton, George Randal Bristol, Virginia
 Bennett, Michael Thomas Richmond, Virginia
 Birdsong, Warren Lee Suffolk, Virginia
 Blackford, William DesChamps Spartanburg, South Carolina
 Blanton, Peter Dillard Richmond, Virginia
 Bondurant, Benjamin Elliott Rice, Virginia
 Boyd, Richard Alexander Richmond, Virginia
 Bradner, Joseph Pendleton Richmond, Virginia
 Brown, David Milton Charlottesville, Virginia
 Burdell, Joel Barton Herndon, Virginia
 Burge, Frank Tucker Birmingham, Alabama
 Burgess, David William Franklin, Virginia
 Burnette, Gregory Fisher Richmond, Virginia
 Butler, Herbert Joseph, Jr. Charleston, South Carolina
 Butler, James Chester Roanoke, Virginia
 Calcote, Robert Dudley Charleston, South Carolina
 Carneal, John Dudley, Jr. Leesburg, Virginia
 Carpenter, John Townsend Baltimore, Maryland
 Cart, Alfred Robinson Spartanburg, South Carolina
 Chadwick, Robert Gerold Morristown, New Jersey
 Chiles, Donald Gachet Louisville, Kentucky
 Chou, James A. Seoul, South Korea
 Christian, Stuart Grattan, III Richmond, Virginia
 Chu, Stephen John Salem, Virginia
 Clary, Robert Clinton, Jr. Valentines, Virginia
 Coffield, Steven Joseph Richmond, Virginia
 Coleman, Gilbert Addison Woodford, Virginia
 Copeland, Richard Snowden, Jr. Hampton, Virginia
 Coulter, Joel Blanton Midlothian, Virginia
 Cowan, Sanford David Mount Kisco, New York
 Coyle, Thomas C. G., Jr. Kearneysville, West Virginia
 Craighill, Joseph Laird Richmond, Virginia
 Crenshaw, Edgar Hatcher, III Richmond, Virginia
 Crowley, Christopher Marion Spartanburg, South Carolina

Curtis, Richard Earl, Jr. Alexandria, Virginia
 DeFrancesco, Gregory Louis Baltimore, Maryland
 Dietrich, King Hastings Seattle, Washington
 Douglass, Thomas Griffin Raleigh, North Carolina
 Eagan, John Gardner, Jr. Norfolk, Virginia
 Elliott, Lewis Frazier South Boston, Virginia
 Ellis, David Edward Virginia Beach, Virginia
 Epperson, Richard Presley Farmville, Virginia
 Face, John Gerard Richmond, Virginia
 Fararo, John J., Jr. Hightstown, New Jersey
 Farina, John Payson Washington, D. C.
 Fariss, Frank Marcus Bedford, Virginia
 Farmar, Richard Aubrey, III Warsaw, Virginia
 Feldmann, Gregory West Roanoke, Virginia
 Ferguson, James Dean Lynchburg, Virginia
 Fiorentino, Mark Patchogue, New York
 Forehand, William Thomas, Jr. Colonial Heights, Virginia
 Fulton, Frank Hundley, Jr. Danville, Virginia
 Gielow, Harold Richard Akron, Ohio
 Glisson, John Wesley Richmond, Virginia
 Goldstein, Gary Brien Charlottesville, Virginia
 Gonzalez, Amauri Carol City, Florida
 Goode, Thomas Emory Richmond, Virginia
 Hatcher, Robert Vance, III Richmond, Virginia
 Henry, Mark Austin Virginia Beach, Virginia
 Henry, Robert Randolph, IV Bluefield, West Virginia
 Hobbs, Gelon Sylvester, III Suffolk, Virginia
 Holcombe, Wayne C. Hampton, Virginia
 Holz, Jack Anderson Darien, Connecticut
 Hotchkiss, Carter Walker Richmond, Virginia
 Howard, Kevin Michael Dover, Delaware
 Hughes, Samuel Louis Lynchburg, Virginia
 Hughey, Stephen Loyce Richmond, Virginia
 Hunt, Albert Monroe, Jr. San Francisco, California
 Hunter, Edward Sidney, III Virginia Beach, Virginia
 Irby, John Poindexter, IV Raleigh, North Carolina
 Jackson, Thomas Micajah, Jr. Austinville, Virginia
 John, James Edward, III Charlottesville, Virginia
 Johnston, Kenneth Moffet Williamsburg, Virginia
 Jones, Jack Spessard Arvon, Virginia
 Kelley, Jeffrey Glenn Richmond, Virginia
 Kieloch, Ronald Edward Alexandria, Virginia
 Kohler, James Christian Milano, Italy
 Koroneos, Erik Andreas Richmond, Virginia
 Lamond, Craig Garvin Staunton, Virginia
 Laughlin, Carl Daniel Newport News, Virginia
 Lea, Richard Hunter Rocky Mount, North Carolina
 Leach, Edwin Randolph Forest City, North Carolina
 Lee, Gordon Condon Roanoke, Virginia
 Lee, John Clayton Fairfax, Virginia
 Leming, Joseph Atkins Bethlehem, Pennsylvania
 Levy, Richard Glenn Baltimore, Maryland
 Linares, Francisco Jose Carol City, Florida
 Longerbeam, Mark Bryant Berryville, Virginia
 Maclin, Henry Wilson, III Charlottesville, Virginia
 Magee, Richard Warren Roanoke, Virginia
 Marchetti, Joseph Peter, Jr. Richmond, Virginia
 Martin, John Albert Roanoke, Virginia
 Mason, Robert Phillip Ft. Lauderdale, Florida
 McCahey, Michael Scott Arlington, Virginia
 McChristian, Steven Craig Farmville, Virginia
 McKenney, Charles Russell Roanoke, Virginia
 Mell, John Aldous Charlotte, North Carolina
 Miller, William Sheppard, III Norfolk, Virginia
 Moles, Jeffrey William Vinton, Virginia
 Moore, David Edwin Roanoke, Virginia
 Moore, Wallace Warren Danville, Virginia
 Newell, William Willard Danville, Virginia
 Oldfield, Robert Wise Norfolk, Virginia
 Olivier, Pierre Francois New Orleans, Louisiana

Outten, Joseph Fenall, Jr. Greenville, South Carolina
 Pace, Gerald Michael, Jr. Salem, Virginia
 Patterson, Vernon Williams, III Spartanburg, South Carolina
 Paul, Ray Mercer, Jr. Richmond, Virginia
 Pegram, Frank LeCraft Petersburg, Virginia
 Petersen, Mark John Acton, Massachusetts
 Peterson, Scott Richard Arnold, Maryland
 Power, John Maynard Norfolk, Virginia
 Preston, Thomas Lewis Charlottesville, Virginia
 Quarles, John Morton, Jr. Yorktown, Virginia
 Reinhardt, Robert Steven Lynchburg, Virginia
 Richardson, Joseph Cumming Bluefield, West Virginia
 Richmond, William Dickenson Martinsville, Virginia
 Rosebro, Robert Rutherford Richmond, Virginia
 Ross, Robert Tayloe Washington, D. C.
 Rustin, Rudolph Byrd Charleston, South Carolina
 Sadighian, Jim John South Hill, Virginia
 Schoenhut, Scott Edison Staunton, Virginia
 Seay, Paul Delano, Jr. Dillwyn, Virginia
 Seymour, William Francis, IV Midlothian, Virginia
 Shaw, Charles Stephen, Jr. Alexandria, Virginia
 Simpson, Charles Blair Richmond Louisville, Kentucky
 Smith, Stephen Clark Hampton, Virginia
 Smith, Walter Powell, III Sandston, Virginia
 Smith, William Francis, Jr. Alexandria, Virginia
 Spurgin, Gerald Brenna Deland, Florida
 Squire, Peter Weaver, Jr. Emporia, Virginia
 Stokes, Thomas Lane, Jr. Norfolk, Virginia
 Stonnell, William Patrick Farmville, Virginia
 Sudduth, Robert Lee, IV Danville, Virginia
 Talley, Michael Leonard Wilmington, Delaware
 Taylor, James Roger Bedford, Virginia
 Taylor, Robert Baird, Jr. Lynchburg, Virginia
 Terry, John Carr Peterstown, West Virginia
 Thompson, Fred Douglas, Jr. Windsor, Virginia
 Thompson, Robert Bruce, Jr. Charlottesville, Virginia
 Thornton, Joseph Dailey Roanoke, Virginia
 Wadsworth, Joseph A. C., III Durham, North Carolina
 Watkins, William Norman Farmville, Virginia
 Watson, Peter Robins Oxford, North Carolina
 Western, Clinton Frederick, Jr. Vinton, Virginia
 White, Charles Mayfield, IV Warrenton, North Carolina
 Whyte, Orrin Oliver Accokeek, Maryland
 Williams, Craig Caldwell Dinwiddie, Virginia
 Williams, Joel Emmett Sutherland, Virginia
 Williams, Roy Edgar, Jr. Covington, Virginia
 Willis, Larry David Portsmouth, Virginia
 Willman, Gerald Frederic, Jr. Lynchburg, Virginia
 Winburn, William Alfred, IV Savannah, Georgia
 Wolcott, James Mounts, III Norfolk, Virginia
 Woodley, James Kendrick, III Richmond, Virginia
 Woods, Kurt Lee Virginia Beach, Virginia
 Woodward, Lawrence Hunter, Jr. Walters, Virginia
 Worsham, William Scott Hot Springs, Virginia
 Zedaker, Samuel Eric Richmond, Virginia

SENIOR CLASS

Abbott, William Lewis Richmond, Virginia
 Aron, Alvan Macauley, Jr. Danville, Virginia
 Bayliss, Philip Martin West Port, Connecticut
 Bell, Alexander Herbert, II Virginia Beach, Virginia
 Berglund, Scott Wesley Roanoke, Virginia
 Boze, Blair Manson Richmond, Virginia
 Brown, Bennie Griffin Windsor, Virginia
 Brown, Orran Lee Forest, Virginia
 Brown, Paul Garland Mechanicsville, Virginia
 Bryant, Dennis Dickens Capron, Virginia

Buck, Ross Lee Gautier, Mississippi
 Bumgardner, George Keller Columbia, South Carolina
 Burrell, Robert Alton Lanexa, Virginia
 Caldwell, Stokely Gray, Jr. Roanoke, Virginia
 Canter, John W. F. Bethesda, Maryland
 Cart, Ben Montgomery, Jr. Charleston, South Carolina
 Challenor, Michael Stanley Richmond, Virginia
 Clark, Charles Irwin Kilmarnock, Virginia
 Corrothers, Edmund Morley Hume, Virginia
 Crowder, Thomas Mason Petersburg, Virginia
 Cutright, Barry Kim North Garden, Virginia
 Daly, Jon Michael Danville, Virginia
 Daniel, Dabney Maury Sweet Briar, Virginia
 Darden, David Bruton Bedford, Virginia
 Davis, Lawrence Ryerson, III Fort Lauderdale, Florida
 Davis, Philip Gilmore, II Martinsville, Virginia
 Davis, Richard Andrew Rocky Mount, Virginia
 Dawson, Robert Richard Richmond, Virginia
 Day, Henry Fenton Danville, Virginia
 Devine, Patrick Campbell Norfolk, Virginia
 Dewey, Frederick Lyman, III Wilmington, Delaware
 Dombalis, Nicholas C. Richmond, Virginia
 Donaldson, Douglas Bayard Danville, Virginia
 Dorey, Donald Richard Norfolk, Virginia
 Driskill, Buford Lee, III Lynchburg, Virginia
 Earhart, Joe Boyd Baltimore, Maryland
 English, Richard Edd Richmond, Virginia
 Ewell, Richard Stoddert Charlottesville, Virginia
 Farmer, Neil Page Richmond, Virginia
 Fauth, Gerald William Bethesda, Maryland
 Feinman, Michael Stuart Lynchburg, Virginia
 Fidler, John Edwin Summersville, West Virginia
 Foster, Robert Dixon Irvington, Virginia
 Freeman, Douglas Sykes Lahaska, Pennsylvania
 Fulton, Christian Langdon Wynnewood, Pennsylvania
 Gates, David Heath Chester, Virginia
 Godfrey, Thomas Walter, Jr. Virginia Beach, Virginia
 Goodin, Mark Wayne Midlothian, Virginia
 Graham, John Robert Roanoke, Virginia
 Gray, George Ward, Jr. Richmond, Virginia
 Green, Steve Goodman South Boston, Virginia
 Groseclose, Robert Daniel Welch, West Virginia
 Groseclose, Samuel Lee Welch, West Virginia
 Hamer, Frederick Charles, III Charlottesville, Virginia
 Hamnett, Lawrence Dean Allentown, New Jersey
 Harcum, Michael Stephen Richmond, Virginia
 Harris, Charles Allan Richmond, Virginia
 Harris, John Thadieu, III North, Virginia
 Harris, Richard Dean Winston-Salem, North Carolina
 Haw, John Sheppard, III Richmond, Virginia
 Heery, Thomas Moss Athens, Georgia
 Heldreth, Joseph Brown, III Martinsville, Virginia
 Hicks, Horace Row, Jr. Glen Allen, Virginia
 Higgins, James Ronald, Jr. Jacksonville, Florida
 Higgs, James Blackford Staunton, Virginia
 Hofler, John Gatling, Jr. Raleigh, North Carolina
 Holt, David Powell Petersburg, Virginia
 Hughes, William Carrington, III Gordonsville, Virginia
 Hundley, James Jay Tampa, Florida
 Huskey, Robert Blain, Jr. Farmville, Virginia
 Hylton, Douglas Gray Ronceverte, West Virginia
 James, Franklin Jefferson Portsmouth, Virginia
 Jawish, David Boggs Fairfax, Virginia
 Johnson, Allen Easley, Jr. Roanoke, Virginia
 Johnson, Richard Mark Virginia Beach, Virginia
 Johnson, Robert Bay Crewe, Virginia
 Johnson, Todd Carrington Newport News, Virginia
 Jones, James Monroe, III Crewe, Virginia
 Jones, Bobby John Richmond, Virginia
 Kelly, James Warren Lynchburg, Virginia

Kiely, Craig Procter Rumson, New Jersey
 Klein, David Alan Roanoke, Virginia
 LaMotte, David Hyde, Jr. Portsmouth, Virginia
 Landreth, William Ross Harrisonburg, Virginia
 Lapp, Richard Lester Maitland, Florida
 Laumann, Gerald Edward Chesapeake, Virginia
 Leary, John Wesley Virginia Beach, Virginia
 Lester, James Cary, Jr. Roanoke, Virginia
 Lewis, Keith Wayne Danville, Virginia
 Light, Philip N. Norfolk, Virginia
 Litton, James Bowen Wytheville, Virginia
 Livingston, Robert Elford, Jr. . West Columbia, South Carolina
 Love, Charles Keith Danville, Virginia
 Love, Gregory Goode Charlottesville, Virginia
 Lumpkin, William Benedict, III Richmond, Virginia
 Mahanes, Wallace S. Charlottesville, Virginia
 Marks, Dale Talmadge Capron, Virginia
 Martin, Frank Conrad, III Roanoke, Virginia
 McAbee, Ernest Andrew Farmville, Virginia
 McDowell, Donald Lee Petersburg, Virginia
 McDowell, Douglas Lee Petersburg, Virginia
 McEwen, James Charles, II Petersburg, Virginia
 Menendez, Joseph Vincent Emporia, Virginia
 Merrell, Robert Baxter West Point, Virginia
 Miles, Randolph Parker Richmond, Virginia
 Miller, Harland Lamar, III Monmouth Beach, New Jersey
 Moore, John Augustus, Jr. Rocky Mount, North Carolina
 Moore, Julian Adair, Jr. Front Royal, Virginia
 Moore, William Spurr Petersburg, Virginia
 Morehead, Ralph Connor, IV Catonsville, Maryland
 Munden, Gordon Ward, Jr. Norfolk, Virginia
 Murphy, Wyatt Rorer, Jr. Lynchburg, Virginia
 Nerney, Michael Edward Hampton, Virginia
 Newcomer, David Jackson Richmond, Virginia
 Newell, Wilson Bennett, Jr. Danville, Virginia
 Niedermayer, Herbert William, III Richmond, Virginia
 O'Hanlan, Edward Vincent Waynesboro, Virginia
 Old, Wayne David Chesapeake, Virginia
 Osgood, Thomas Wentworth Petersburg, Virginia
 Parker, Stephen Myron Richmond, Virginia
 Parsons, Bradley Jay Nashville, Tennessee
 Patterson, Joseph Rody, Jr. McKenney, Virginia
 Patterson, Paul Tulane Lynchburg, Virginia
 Patton, James Doddridge, IV Richmond, Virginia

Peebles, James Fain Lawrenceville, Virginia
 Penick, Joseph Bernard Richmond, Virginia
 Phillips, Bruce Collier Richmond, Virginia
 Pitte, Charles Erskine Hinsdale, Illinois
 Pitzer, Charles Lewis, III Roanoke, Virginia
 Redd, William DeHart West Point, Virginia
 Riddle, Barry Lynn Gladys, Virginia
 Rosenberger, William, II Waynesboro, Virginia
 Rusher, William DeWitt, Jr. Richmond, Virginia
 Sager, William Laird, Jr. Danville, Virginia
 Sargeant, Charles Preston Roanoke, Virginia
 Shelton, Michael Murrell Forest, Virginia
 Silvestri, Vincent Louis Midlothian, Virginia
 Sketchley, Rothwell Garsed, III Charlottesville, Virginia
 Smith, Paul English West Point, Virginia
 Smith, Samuel Edward, Jr. Arlington, Virginia
 Snyder, Edward Philip Salem, Virginia
 Sommers, John Edward, III Houston, Texas
 Springer, Robert Nelson Warrenton, Virginia
 Stoneburner, Frank Dew, Jr. Richmond, Virginia
 Stough, John Arthford, Jr. Louisville, Kentucky
 Sutton, Richard Sidney Boydton, Virginia
 Thompson, Bruce Everett Fairfax, Virginia
 Thurston, Brian Milbank Richmond, Virginia
 Tiernan, Edward Lawrence Springfield, Virginia
 Tipton, Charles S. M. Vienna, Virginia
 Traynham, Randolph Edmunds Crewe, Virginia
 Trenum, Clarence William, III Warrenton, Virginia
 Turner, Harold Ratcliffe Richmond, Virginia
 Twentyman, Scott Sheldon Arlington, Virginia
 Underwood, John Mason, II Virginia Beach, Virginia
 Van Ness, Douglas Hart Richmond, Virginia
 Waddell, Thomas Carter Leesburg, Virginia
 Walke, John Wistar Roanoke, Virginia
 Wall, Steven Edward Farmville, Virginia
 Wall, Thomas Craven Lexington, North Carolina
 Webb, Charles Houston Orlando, Florida
 White, James Wheeler Madison Heights, Virginia
 White, Robert Graham, III Edenton, North Carolina
 Whitehouse, Robert Putnam Lynchburg, Virginia
 Whitt, Robert Holt, Jr. Danville, Virginia
 Wilson, Robert Major Alexandria, Virginia
 Wolanski, Edward Theodore Staunton, Virginia

*Number of Students by States and Foreign Countries –
1977-1978*

Virginia	550
North Carolina	33
Maryland	17
South Carolina	17
West Virginia	16
Florida	14
Georgia	12
Alabama	8
New Jersey	8
Pennsylvania	6
Delaware	6
Tennessee	5
New York	5
Texas	3
Ohio	3
Connecticut	3
Germany	2
Kansas	1
Louisiana	1
Belgium	1
France	1
China	1
Missouri	1
Utah	1
Uganda	1
Saudi Arabia	1
Indiana	1
Maine	1
Washington, D.C.	1
Wisconsin	1
Kentucky	1
	<u>722</u>

ENDOWED SCHOLARSHIPS

Hampden-Sydney College recognizes the importance and the generosity of the contributions of alumni, parents, and friends to the general scholarship endowment. Each of the endowed scholarships listed below produces significant income which supplements the College's financial aid program and is, therefore, individually designated. In most cases, endowed scholarships are not individually designated unless the capital contribution exceeds \$5,000 and/or the endowment income exceeds \$250.

THE FLORENCE J. ABNEY MEMORIAL SCHOLARSHIP was established in 1961 by a gift of Miss Florence J. Abney. Preference is given to students from the State of West Virginia.

THE COLONEL AND MRS. GEORGE E. ADAMSON SCHOLARSHIP was established in 1946 by Colonel Adamson of Washington, D.C., to be given to a member of the senior class on the basis of financial need, character, and promise.

THE ARA SERVICES SCHOLARSHIP FUND was established in 1965 and later supplemented through gifts of ARA Food Services Company.

THE PAUL TULANE ATKINSON MEMORIAL SCHOLARSHIP FUND was established in 1964 by gifts from the late Mr. Carlyle Gee, Class of 1926, of Greensboro, North Carolina, and other friends and alumni of the College in memory of Mr. Atkinson, Treasurer of the College from 1919 to 1957.

THE GEORGE H. AND MINNIE BRADLEY ALEXANDER SCHOLARSHIP was established under the will of Mr. and Mrs. G. H. Alexander of Norfolk, Virginia, in 1957.

THE LEWIS O. BROWN MEMORIAL SCHOLARSHIP was established in 1973 by Mr. Brown's widow, Mrs. Mary Patsel

Brown of Roanoke, Virginia. Roanoke students are given preference.

THE BURROUGHS MEMORIAL SCHOLARSHIPS were established through the will of Mabel C. and Charles F. Burroughs of Norfolk, Virginia. A number of annual scholarships are available to students from the Tidewater area who are selected by the Norfolk Foundation upon the recommendation of the College. Students should apply directly to The Norfolk Foundation, 406 Royster Building, Norfolk, Virginia 23510.

THE GEORGE EVANS CASKIE MEMORIAL SCHOLARSHIP was established in 1970 by a bequest from Mr. James R. Caskie, in memory of his father.

THE DONALD L. CORK SCHOLARSHIP was established by gifts to the College from Mr. Donald L. Cork of Charleston, West Virginia, a member of the Class of 1913.

THE EDMUND BAKER DAVENPORT SCHOLARSHIP FUND was established in 1972 by Mrs. Claude R. Davenport, Mr. and Mrs. Claude R. Davenport, Jr., Mr. and Mrs. George L. Fosque, and Mr. and Mrs. Charles C. Chewning. The awards are made in the form of loans which need not be repaid if the student maintains an average of 2.0 or better.

THE DRYDEN-MOREHEAD SCHOLARSHIP was established in 1905 through a bequest under the will of Mrs. Sarah A. Dryden of Putnam County, West Virginia.

THE MISS MARY MARGARET EAST SCHOLARSHIP was established by Mr. David E. East of Raphine, Virginia.

THE FARMVILLE MANUFACTURING COMPANY SCHOLARSHIP was established by the Farmville Manufacturing Company, Farmville, Virginia.

THE FIRST NATIONAL BANK SCHOLARSHIP was established in 1972 by the First National Bank of Farmville, Virginia, to benefit an economics major.

THE THOMAS FLOURNOY SCHOLARSHIP was established in 1961 by Mrs. Sallie T. Flournoy in memory of her husband. The scholarship assists needy students studying for the ministry.

THE FRAYSER SCHOLARSHIP was established in 1954 by a bequest from the estate of Mrs. Anne R. Finch Frayser.

THE DR. BENJAMIN HOBSON FRAYSER SCHOLARSHIP was established in 1945 by Mrs. Anne R. F. Frayser in memory of her son, Dr. Benjamin Hobson Frayser.

THE WILLIAM LUCKE GARLICK SCHOLARSHIP FUND was established in 1975 by Dr. R. Cecil Garlick, Jr. of Charlottesville, Virginia, in honor of his late brother, who attended Hampden-Sydney in 1920-21.

THE CHARLES CALLAWAY GUTHRIE SCHOLARSHIP was established in 1968 by gifts from Mr. J. Dennett Guthrie and supplemented by gifts from Mr. Charles R. Guthrie in honor of their father.

THE ANNA CARRINGTON HARRISON LEADERSHIP SCHOLARSHIP was established as a memorial to his mother by Mr. Fred N. Harrison of Richmond, Virginia, long time member of the College Board of Trustees. The annual scholarship is designated for a student showing outstanding leadership ability on campus.

THE WARREN W. HOBBIE SCHOLARSHIPS were established in 1959 and later supplemented by gifts from the late Mr. Warren W. Hobbie of Roanoke, Virginia, a former member of the Board of Trustees.

THE RANDALL HOLDEN MEMORIAL SCHOLARSHIP was established through gifts and a bequest of Mr. W. R. Holden of South Hill, Virginia, and later supplemented by a bequest from the estate of Mrs. Eva Holden Johnston.

THE EUGENE C. HURT, JR. AND ANNIE R. HURT SCHOLARSHIP was

established in 1966 through a bequest from the will of Mr. E. C. Hurt of Chatham, Virginia. Preference is given to students from Halifax and Pittsylvania Counties.

THE ALBERT SIDNEY AND VIRGINIA PARLETT JOHNSON MEMORIAL LOAN FUND was established in 1966 by a gift of Mr. Robert D. Johnson, Class of 1936. The award, which must be repaid, is given to a deserving upperclassman.

THE EVA Y. JONES SCHOLARSHIP was established in 1958 by the Second Presbyterian Church of Roanoke, Virginia, to be awarded to a Presbyterian student studying for the ministry who is in need of financial assistance.

THE JOHN FRANKLIN KINCAID, JR. MEMORIAL SCHOLARSHIP was established in 1945 by gifts from Mrs. John F. Kincaid, Jr., Mrs. Nan Lin Kincaid, and Mrs. Allie Anderson in memory of Lieutenant Kincaid, USN Medical Corps, who was killed in action of Okinawa in April, 1945. This scholarship is designated for a premedical student of character and ability.

THE LEWIS G. LARUS SCHOLARSHIP was established in 1966 through a gift from the estate of Mr. Lewis G. Larus of Richmond, Virginia, a former member of the Board of Trustees.

THE ALFRED L. LORRAINE, JR. MEMORIAL SCHOLARSHIP was established by gifts from Mr. and Mrs. A. L. Lorraine of Richmond, Virginia, as a memorial to their son who gave his life for his country in World War II.

THE PHILIP LEE LOTZ SCHOLARSHIP was established by the Iota Chapter of Pi Kappa Alpha. The award is made to a deserving member of Pi Kappa Alpha at the choice of the Chapter.

THE MADISON SCHOLARSHIP FUND was established in 1961 through a bequest under the will of Mrs. Janet B. M. Nichols

of Petersburg, Virginia, in memory of her first husband, Wilkes Madison.

THE JAMES J. MARSHALL, JR. SCHOLARSHIP FUND was established by gifts from Mr. J. J. Marshall, Jr. of New York City. Mr. Marshall is a member of the Class of 1934.

THE PHILIP W. MCKINNEY SCHOLARSHIP FUND was established in 1964 by a bequest from the estate of Mrs. Frankie McKinney Van Winkle, in honor of her father, Governor Philip W. McKinney, a member of the Class of 1851.

THE FRED MAY MORTON AND MARY MORTON PLATT SCHOLARSHIP FUND was established in 1963 by a gift from Mrs. Mary Morton Platt of Baltimore, Maryland, in memory of her brother. The fund has been supplemented by gifts from The Theodore H. Barth Foundation.

THE LEE WATKINS MORTON MEMORIAL SCHOLARSHIP was established by gifts from Mr. and Mrs. L. W. Morton, Sr., and their sons, Lee W. Morton, Jr., Judge R. Page Morton, and the Rev. Taylor Morton of Charlotte County, Virginia.

THE WALLACE C. NUNLEY GOLF SCHOLARSHIP was established by Dr. Wallace C. Nunley of Clifton Forge, Virginia, and Dr. Wallace C. Nunley, Jr. The scholarship, which is based on need, is awarded to a member of the Hampden-Sydney golf team after one year's team participation.

THE JOSEPH LEE AND MARGARET EAST NELSON MEMORIAL SCHOLARSHIP FUND was established in 1976 by Mrs. Nelson to provide scholarships for students of known superior academic ability who are in need of financial assistance. Preference in selecting recipients for scholarships will be afforded Virginia students of the Christian faith who have formed a present intention to seek full-time Christian service as ordained

ministers or missionaries, or, in the alternative, preference will be afforded students who have formed a desire to enter the teaching profession.

THE ODK LEADERSHIP SCHOLARSHIP was established in 1971 by the Lambda Circle of Omicron Delta Kappa at Hampden-Sydney. The award is made for the freshman year only to an entering student selected by the Circle. Need is not a criterion.

THE TRUMAN ALFRED PARKER SCHOLARSHIPS were established by a bequest from Judith H. M. Parker of LaJolla, California. Students in the pre-medical program are given preference.

THE WILLIAM T. PUGH MEMORIAL SCHOLARSHIP FUND was established by the Fidelity National Bank of Lynchburg, Virginia, in memory of Dr. Pugh, a member of the Class of 1923 and a former member of the Board of Trustees.

THE READ-LANCASTER MEMORIAL SCHOLARSHIP was established through gifts from Mrs. Edmonia C. L. Metcalf of Charlottesville, Virginia, in memory of her mother, Mrs. Agnes Elizabeth Read Lancaster and her uncles, Mr. Abram Carrington Read and Mr. Isaac Mayo Read. In addition to her immediate family, Mrs. Metcalf specified the scholarship as a memorial in remembrance of the Reads of "Greenfield", Charlotte County, Virginia.

THE TINA RICHARDSON SCHOLARSHIP was established in 1975 by Mrs. A. B. Richardson of Roanoke, Virginia.

THE H. MELVIN ROBERTS MEMORIAL SCHOLARSHIP was established in 1958 by Mrs. H. M. Roberts of Shaker Heights, Ohio, in memory of her husband.

THE CLARENCE B. ROBERTSON MEMORIAL SCHOLARSHIP was established in 1969 by a bequest from Mr. Robertson, a former member of the Board of Trustees.

THE CHARLES FRANCIS ROBINSON EDUCATIONAL FUND was established in 1969 by a bequest from Mr. Robinson's mother, Mrs. Evelyn D. Robinson.

THE PHILIP H. ROPP MEMORIAL SCHOLARSHIP was established by a bequest from Dr. Ropp, alumnus and Hurt Professor of English at Hampden-Sydney.

THE MR. AND MRS. HUGH B. SPROUL SCHOLARSHIP was established by a gift of Mr. Hugh B. Sproul of Staunton, Virginia.

THE STAMPS SCHOLARSHIP was established in 1936 by a gift from Mrs. F. S. Royster of Norfolk, Virginia, in memory of her father, Dr. William L. Stamps, and her brothers, Mr. Edward R. Stamps and Dr. Thomas Stamps.

THE GEORGE MAYO TABB MEMORIAL SCHOLARSHIP was established in 1960 through a bequest from the will of Miss Annie Glass Tabb of Staunton, Virginia, in memory of her nephew, Mr. George M. Tabb, a member of the Class of 1926.

THE DR. J. ERNEST THACKER MEMORIAL SCHOLARSHIP FUND was established through gifts from the Second Presbyterian Church of Norfolk, Virginia, in memory of their former pastor. The fund was supplemented in 1955 by a bequest of Ellen C. Hooff.

THE MR. AND MRS. GEORGE C. THOMAS, JR. SCHOLARSHIP FUND was established in 1953 and supplemented in 1973 through gifts from Mr. and Mrs. George C. Thomas, Jr. of New Jersey and Florida.

THE JOSEPH I. TRIPLETT MEMORIAL SCHOLARSHIP was established in 1963 through the will of Mr. Joseph I. Triplett, Jr. of Shepherdstown, West Virginia.

THE ALBERT JAMES TRUITT AND JULIA HARRISON TRUITT MEMORIAL SCHOLARSHIPS were established in 1949

through a bequest from the will of Mrs. Julia E. Truitt of Norfolk, Virginia, and designated for the assistance of students studying for the ministry.

THE ACHILLES L. TYNES SCHOLARSHIPS were established in 1958 by Misses Eliza I. and Frances M. Tynes of Tazewell, Virginia, in memory of their brother, a member of the Class of 1894.

THE WADDELL-GORDON SCHOLARSHIP FUND was established in 1952 by Mr. James W. Gordon, Jr. of Richmond, Virginia, Class of 1932, as a memorial to Dr. James Waddell (1739-1805), "the blind preacher," and Colonel James Gordon of Lancaster County (1714-1768), leaders in the establishment of the Presbyterian Church in the Colony of Virginia. Preference is given to students who plan to attend Union Theological Seminary in Richmond, Virginia.

THE WALLACE-BARNER SCHOLARSHIP was established in 1953 and later supplemented by gifts from Dr. K. K. Wallace of Norfolk, Virginia, and gifts given in memory of Mr. George Barner.

THE WALLACE-BLANTON SCHOLARSHIP was established in 1973 by Miss Ellen Barbour Wallace of Nashville, Tennessee, in memory of her father, Clarence Blair Wallace of the Class of 1880, and John Dielle Blanton of the Class of 1879.

THE J. MEBANE WARD MEMORIAL SCHOLARSHIP was established in 1972 by a bequest from Mr. Ward, Class of 1927.

THE A. D. WITTEN SCHOLARSHIP was established by gifts from Mr. A. D. Witten and Mrs. Cecil Witten Ford of Martinsville, Virginia.

THE JESSIE REAMES YOUNG AND CHARLES REAMES YOUNG SCHOLARSHIP was established by Mr. Fred W. Young, Sr. to benefit graduates of Dinwiddie County residents attending Hampden-Sydney.

ANNUAL SCHOLARSHIPS

Hampden-Sydney College recognizes the importance and generosity of the contributions of alumni, parents, and friends to the annual scholarship fund. Annual scholarships are not individually designated unless the donor has agreed to an annual contribution in excess of \$200 to be awarded over a significant number of years. For those individually designated annual scholarships established after 1975, the minimum contribution must be \$500.

THE BAKER SCHOLARSHIPS From 1967 until 1975 from three to five Baker Scholarships were awarded each year to entering freshmen through the generosity of the George F. Baker Trust of New York. The Trust was created by the will of Mr. George F. Baker, Jr., a former Chairman of the Board of the First National Bank of New York, and the scholarships are given in recognition of outstanding qualities of leadership. The scholarship is a four-year award and meets the full financial need of each scholar. Initial scholarships are no longer available.

THE WILLIAM CARROLL CHEWNING, JR. MEMORIAL SCHOLARSHIP was established in 1975 by Mr. William Carroll Chewning, Class of 1941, his family, and friends in memory of his son, a member of the Class of 1967.

THE NELSON W. COE III MEMORIAL SCHOLARSHIP was established in 1969 by Mr. and Mrs. Charles E. Coe in memory of Mr. Coe's brother. Preference is given to students from Westminster Presbyterian Church in Alexandria, Virginia.

THE H. SPENCER EDMUNDS MEMORIAL SCHOLARSHIP was established in 1950 by the Second Presbyterian Church, Roanoke, Virginia, as a ministerial scholarship in memory of its former pastor, The Reverend Mr. H. Spencer Edmunds.

THE FIRST CONGRESSIONAL DISTRICT (VIRGINIA) SCHOLARSHIP.

Through the gifts of U.S. Representative Paul S. Tribble, Jr., Class of 1968, a four-year merit scholarship has been established for a student from the First Congressional District attending Hampden-Sydney College. The scholarship recipient is selected by the financial aid committee on the basis of superior academic achievement, demonstrated qualities of leadership, and service to school and community. Need is not a criterion for the award. The scholarship carries an annual stipend of \$1,000.

THE WILLIAM FITZGERALD MEMORIAL SCHOLARSHIPS were established in 1968 by St. Giles Presbyterian Church, Richmond, Virginia. Scholarships are awarded to needy and worthy upper-classmen who plan to enter church related vocations.

THE GEORGE C. "CHIP" FREEMAN III MEMORIAL SCHOLARSHIPS. The scholarships were established in 1974 in memory of George C. "Chip" Freeman III, Hampden-Sydney College Class of 1976, by his parents, Mr. and Mrs. G. C. Freeman, Jr. and his brother, Douglas M. Freeman, and are funded by the George C. Freeman III Memorial Trust. These four-year scholarships are to be awarded to incoming freshmen athletes (with preference given to wrestling and/or football) interested in pursuing a career in teaching and/or coaching, other youth-oriented work, or full-time Christian service.

THE JAMES BUCKNER MASSEY SCHOLARSHIP. Each year since 1957 a scholarship has been made possible through gifts of Dr. F. M. Ryburn of Lubbock, Texas, in memory of Dr. James B. Massey, long-time professor of Bible at Hampden-Sydney. Preference is to be given to sons of ministers.

THE MCGUIRE-BOYD SCHOLARSHIP was established through annual gifts since 1965 by Mr. James Nalle Boyd, a member of the Class of 1958, and Mr. John Peyton McGuire Boyd, a member of the Class of

1964, of Richmond, Virginia, in memory of their parents, Mr. and Mrs. John W. Boyd. The scholarship is to be awarded to a deserving sophomore or upperclassman displaying outstanding qualities of character and leadership. Academic and athletic achievement as well as financial need are taken into consideration.

THE MUNOZ PREMEDICAL STUDENT SCHOLARSHIP was established in 1972 by Dr. Anthony J. Munoz of Farmville, Virginia, to benefit a deserving premedical student.

THE ALGERNON SYDNEY SULLIVAN SCHOLARSHIPS. Annual grants from the Algernon Sydney Sullivan Foundation of New York since 1936 have provided scholarships at Hampden-Sydney in memory of Algernon Sydney Sullivan, founder and first president of the New York Southern Society. The scholarships are awarded to deserving students to stimulate their spiritual development by encouraging their study of the life of Algernon Sydney Sullivan. To that end, each recipient is required to read the biography of Mr. Sullivan and to submit an essay expressing the student's appreciation of life's finer qualities as exemplified by Algernon Sydney Sullivan.

THE THIRD CENTURY SCHOLARSHIPS. Third Century Scholarships are available to residents of Alexandria, Virginia. The scholarships carry four-year stipends of \$1,000. Half is provided by the

Alexandria Bicentennial Corporation and half by Hampden-Sydney. Need is not a selection criterion. Recipients are chosen by the Board of Directors of the Alexandria Bicentennial Corporation, and interested students should apply directly to the Corporation at 201 South Washington Street, Alexandria, Virginia 22314.

THE JOSEPH MOSS WHITE AND JOSEPHINE VIRGINIA BROWN WHITE SCHOLARSHIP was established in 1975 by Mr. Joseph W. White, Jr., Mr. James S. White, and Dr. Paul F. White in honor of their parents and supplemented by memorial gifts in honor of Mr. J. M. White.

SPECIAL SCHOLARSHIPS

THE SAMUEL STANHOPE SMITH MINORITY SCHOLARSHIPS are available to well qualified minority students. These merit scholarships are awarded on the basis of academic ability, character, and leadership potential. The award honors Samuel Stanhope Smith, first president of Hampden-Sydney College (1775-1779), for his early contributions to racial understanding while a teacher of moral philosophy at the College of New Jersey (Princeton). Funds for these scholarships were raised by members of the College community and supplemented by a grant from the General Mills Foundation. The initial award is for one year only but may be renewed.

MERIT SCHOLARS

1977-78**ALLAN SCHOLARS**

Orran Lee Brown
 James A. Chou
 Richard Earl Curtis, Jr.
 Douglas S. Denham*
 Sam Daniel Eggleston III*
 Billy Louis Greer*
 Robert Bruce Gunn*
 David Shotwell Haga
 Joseph Brown Heldreth III
 Kenneth Litton Kilgour*
 Douglas Reed Lawler, Jr.*
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 Robert Kevin Mahoney*
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 Paul English Smith
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ENGLISH SCHOLAR

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 Frank Marcus Farriss
 Gregory West Feldmann
 Douglas Sykes Freeman
 Joseph Brown Heldreth III
 Kevin Michael Howard
 James Christian Kohler
 Gerald Edward Laumann
 David James Lucey
 Wayne David Old
 William DeHart Redd
 Frank Dew Stoneburner, Jr.

PHYSICS SCHOLAR

David Gordon Ogle

HONOR SCHOLARS

James Edward Adams
 Mark John Morris

LEADERSHIP AWARD

Fred Douglas Thompson

INDEX**A**

Academic Calendar 1978-79	32
Academic Program	19
Academic Regulations	29
Administrative Assistants	15
Administrative Officers & Staff	10
Advisors, Faculty	26
Advising System	26
Annual Scholarships	91
Appalachian Semester	23
Awards	79

B

Bible and Religion	33
Biology	35
Biochemistry	58
Biophysics	58
Business, Preparation for	19

C

Calendar 1978-79	32
Campus	3
Career Preparation	19
Chemistry	40
Chemical Physics	59
Christian Ministry, Preparation for	20
Class Attendance	29
Classical Studies	44
Classics	42
Committees of Faculty	16
Computing Facility	21
Computer Science	60
Cooperative Programs:	
Longwood College	24
Georgia Tech (Dual Degree)	23
VPI and SU (Applied Chemistry)	23
Counseling and Career	
Planning Services	33
Course Load Regulations	30
Credit Hours	27
Curriculum	19

D

Dean's List	30
Degree Requirements	27
Degrees and Other Honors	75
Distribution Requirements	27
Division of Study	33
Dual Degree Program:	
Georgia Tech	23

E

Economics	45
Endowed Scholarships	87
English	47
Examinations	30
Exchange Program	24
Exclusion from College	31

F

Facilities	21
Faculty	11
Fellowships, Senior	47
Fine Arts	52
French	63

G

German	64
Government and Foreign Affairs	52
Grade Reporting	30
Grade Scale	29
Graduate Study, Preparation for	19
Graduates	75
Greek	42

H

History	55
History of the College	5
Honors Program	24
Honors Program (course offerings)	59
Honors, Graduation with	30, 31
Hours Required	27
Humanities	27, 33, 58

I

Incompletes	30
Information, General	3, 5, 78
Interscience	58, 59
Introduction	3

L

Language Laboratory	21
Latin	43
Law, Preparation for	20
Liberal Education	19
Library	21
Linguistics	44
Location of the College	3

M

Mathematics	60
Majors	26, 27
Medicine and Dentistry, Preparation for	20
Merit Scholars	94
Ministry, Preparation for	20
Modern Languages	63

N

Named Scholarships	91
Natural Sciences	27, 33

P

Philosophy	66
Physical Education	67
Physical Facilities	3, 21
Physics	67
Presidents of the College	8
Probation	29
Proficiency	27
Psychology	70

Q

Quality Points	29, 52
Quality Requirements	27

R

Re-examinations	30
Registration, Freshman	30
Residence Requirements	27
Rhetoric Program	25
ROTC	24
Russian	65

S		Student Body List	80
Satisfactory Progress	29	Students, Distribution by State List	86
Science Center	22	Summer School	22
Scholarships, Named		Summer Work, Credit for	31
Annual Scholarships	91	Suspension	29
Endowed Scholarships	87		
Special Scholarships	92	T	
Secondary School Teaching,		Teaching, Preparation for	21
Preparation for	21	Transfer Credits	31
Preparation for	21	Trophies and Awards	79
Senior Fellowship	25	Trustees, Board of	9
Social Sciences	27, 33		
Sociology	72	W	
Spanish	65	Washington Semester	22
Special Programs	22	Western Man	72
Special Scholarships	92	Withdrawal from College	31



Office of Admissions
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